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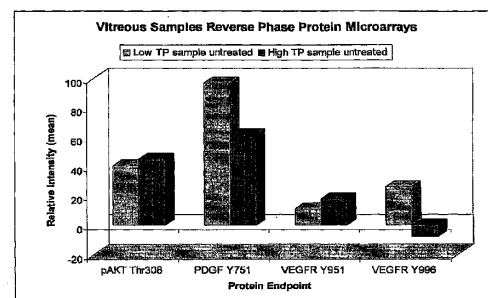
(21) 出願番号	特願2008-552489 (P2008-552489)	(71) 出願人	508225026
(86) (22) 出願日	平成19年1月29日 (2007.1.29)		ジョージ メーソン ユニバーシティー
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(86) 国際出願番号	PCT/US2007/002452		, フェアファックス, ユニバーシティー
(87) 国際公開番号	W02007/089731		ドライブ 4400, エムエスエヌ
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(31) 優先権主張番号	60/762,499		ジー トランスファー
(32) 優先日	平成18年1月27日 (2006.1.27)	(74) 代理人	100107489
(33) 優先権主張国	米国 (US)		弁理士 大塩 竹志

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(54) 【発明の名称】 眼の流体のマーカー

(57) 【要約】

本発明は、生物の生理的状態を決定するための眼の流体の分析およびモニタリングに関するものであり、初期の疾患の検出のために、薬物の有効性および動態をモニターすること、ならびに、特定の分子マーカーおよび、そのような分析において同定された分子または分子のフラグメントのフィンガープリントに関する。本発明は、サンプル中に存在する少なくとも一つのポリペプチドまたは他の分子を含む、眼の流体のサンプルのプロテオミクス上のフィンガープリントを提供する。ポリペプチド（「バイオマーカー」としても言及される）は、任意の適切な技術を用いて単離され得る。例えば、バイオマーカーは、バイオマーカー誘引物質がポリペプチドまたは他の生体分子（「バイオマーカー」）と会合している低分子量画分から採取され得る。



【特許請求の範囲】

【請求項 1】

眼の生理的状态を特徴づける方法であって、一つ以上のポリペプチドまたはそのフラグメントの、硝子体液中における存在または非存在を検出する工程を含む、方法。

【請求項 2】

眼の生理的状态を特徴づける方法であって、一つ以上のバイオマーカー誘引物質関連ポリペプチドまたはそのフラグメントの、硝子体液中における存在または非存在を検出する工程を含む、方法。

【請求項 3】

請求項 1 または請求項 2 に記載の方法であって、該方法が疾患を診断するためのものである、方法。

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【請求項 4】

請求項 1 または請求項 2 に記載の方法であって、該方法が疾患の危険度を決定するためのものである、方法。

【請求項 5】

請求項 1 または請求項 2 に記載の方法であって、少なくとも一つの前記ポリペプチドまたはフラグメントが、表 2～表 13 に列挙されたポリペプチドから選択される、方法。

【請求項 6】

請求項 1 または請求項 2 に記載の方法であって、該方法が、少なくとも一つのポリペプチドまたはフラグメントの硝子体液中における存在または非存在を検出する工程を含む、網膜の血管の完全性を特徴づけるための、方法。

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【請求項 7】

生命系の生理的状态を特徴付ける方法であって、一つ以上のポリペプチドまたはそのフラグメントの、硝子体液中における存在または非存在を検出する工程を含む、方法。

【請求項 8】

請求項 7 に記載の方法であって、前記ポリペプチドが、バイオマーカー誘引物質分子と関連する、方法。

【請求項 9】

請求項 7 または請求項 8 に記載の方法であって、薬物の有効性または動態をモニターするための、方法。

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【請求項 10】

請求項 7 または請求項 8 に記載の方法であって、脳の生理的状态をモニターするか、または特徴づけるための方法である、方法。

【請求項 11】

請求項 7 または請求項 8 に記載の方法であって、少なくとも一つの前記ポリペプチドまたはフラグメントが、表 2～表 13 に列挙されたポリペプチドから選択される、方法。

【請求項 12】

請求項 7 または請求項 8 に記載の方法であって、眼内薬物または全身性薬物の生理的效果をモニターするための方法である、方法。

【請求項 13】

被験体のシグナル伝達経路の状態をモニターする方法であって、
硝子体液中におけるリン酸化ポリペプチドフラグメントの存在を測定する工程を含む、方法。

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【請求項 14】

請求項 13 に記載の方法であって、前記リン酸化ポリペプチドがレセプターポリペプチドまたはそのフラグメントである、方法。

【請求項 15】

請求項 14 に記載の方法であって、前記リン酸化レセプターが、Gタンパク質結合レセプターまたはホルモン活性化レセプターである、方法。

【請求項 16】

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請求項 14 に記載の方法であって、前記リン酸化レセプターが、VEGFR-2 または PDGFR- β である、方法。

【請求項 17】

チロシンキナーゼ阻害剤が投与された被験体における、該阻害剤の有効性をモニターする方法であって、

該被験体の硝子体液におけるリン酸化ポリペプチドまたはフラグメントの存在を測定する工程を包含し、ここで該被験体はチロシンキナーゼ阻害剤を投与されている、方法。

【請求項 18】

請求項 17 に記載の方法であって、前記チロシンキナーゼ阻害剤が、チロシンキナーゼレセプターまたは酵素のリン酸化を阻害する、方法。

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【請求項 19】

請求項 1～18 のいずれか一項に記載の方法であって、前記検出が、硝子体液サンプルのタンパク質マイクロアレイ、免疫分析、リガンド結合分析、電気泳動、または質量分析を用いて達成される、方法。

【請求項 20】

請求項 1～19 のいずれか一項に記載の方法であって、前記検出が、硝子体液サンプルの非侵襲性の光学測定を用いて成し遂げられる、方法。

【請求項 21】

請求項 1～20 のいずれか一項に記載の方法であって、前記サンプルが、前記ポリペプチドの完全性を保護するために少なくとも一つの化学物質を含有する容器中に抽出される、方法。

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【請求項 22】

請求項 21 に記載の方法であって、前記化学物質が、プロテアーゼ阻害剤またはホスファターゼ阻害剤である、方法。

【請求項 23】

硝子体切除のための中空針カニューレまたはカッターであって、ポリペプチドの完全性を保護するために少なくとも一つの化学物質を含有する容器を該カニューレまたはカッターに含む、カニューレまたはカッター。

【請求項 24】

少なくとも一つまたは複数の、単離された硝子体液ポリペプチド、またはそのフラグメント、またはそれに関する測定を含むプロテオミクス上のフィンガープリントであって、ここで該ポリペプチドは、表 2～表 13 において列挙された前記ポリペプチドから選択される、フィンガープリント。

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【請求項 25】

硝子体液のプロテオミクスのフィンガープリントであって、少なくとも一つの単離された硝子体液バイオマーカー誘引物質関連ポリペプチド、またはそのフラグメント、またはそれに関する測定を含む、フィンガープリント。

【請求項 26】

請求項 25 に記載のプロテオミクスのフィンガープリントであって、複数の単離された硝子体液バイオマーカー誘引物質関連ポリペプチド、またはそのフラグメント、またはそれに関する測定値を含む、フィンガープリント。

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【請求項 27】

請求項 3 に記載の方法であって、前記疾患が、網膜の疾患または眼の疾患である、方法。

【請求項 28】

請求項 4 に記載の方法であって、前記疾患が、網膜の疾患または眼の疾患である、方法。

【請求項 29】

請求項 6 に記載の方法であって、前記ポリペプチドまたはフラグメントが、通常は硝子体液中に見い出されないが、通常は血液中被い出される、方法。

【請求項 30】

請求項 3 に記載の方法であって、前記疾患が、網膜剥離症 (RD) または黄斑孔 (MH)

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であり、表 1 1、表 1 2 または表 1 3 の一つ以上のポリペプチドの存在を検出する工程を含む、方法。

【請求項 3 1】

請求項 3 に記載の方法であって、前記疾患が、網膜剥離症（R D）であり、表 7 または表 9 の一つ以上のポリペプチドの存在を検出する工程を含む、方法。

【請求項 3 2】

請求項 3 に記載の方法であって、前記疾患が、黄斑孔（M H）であり、表 8 または表 1 0 の一つ以上のポリペプチドの存在を検出する工程を含む、方法。

【請求項 3 3】

動物における所定の疾患と存在するポリペプチドとの関係を決定する方法であって、該疾患を有す患者の硝子体液中のポリペプチドのスペクトルを正常被験体の硝子体液中のポリペプチドのスペクトルと比較する工程、該ポリペプチドの同一性または量に関して、該ポリペプチドスペクトルにおける相違を決定する工程、そして該疾患の存在を少なくとも一つの該相違と関連させる工程を含む、方法。

【請求項 3 4】

請求項 3 3 に記載の方法であって、前記測定の結果が、薬物、生物学的物質、化学物質、抗体、自己タンパク、または合成薬剤を用いる治療を導くために用いられる、方法。

【発明の詳細な説明】

【技術分野】

【0 0 0 1】

（関連出願への相互参照）

本願は、その全体が本明細書に参考として援用される、2 0 0 6 年 1 月 2 7 日に出願された先願の米国仮特許出願第 6 0 / 7 6 2 , 4 9 9 号の利益を主張する。

【0 0 0 2】

（発明の分野）

本発明は、生物の生理的状态を決定するための眼の流体の分析およびモニタリングに関するものであり、例えば、初期の疾患の検出または他の生理的状态の検出のために、薬物の有効性および動態をモニターすること、ならびに、そのような分析において同定された特定の分子マーカーおよびフィンガープリントをモニター／定量することに関する。

【発明の開示】

【課題を解決するための手段】

【0 0 0 3】

（発明の要旨）

本発明は、たとえば、硝子体液中における、一つ以上のポリペプチドまたはそのフラグメントの存在または非存在の検出を含む、眼の生理的状态を特徴付ける方法；硝子体液中における、一つ以上のバイオマーカー誘引物質関連ポリペプチドまたはそのフラグメントの存在または非存在の検出を含む、眼の生理的状态を特徴付ける方法；硝子体液中における、一つ以上のポリペプチドまたはそのフラグメントの存在または非存在の検出を含む、生命系の生理的状态を特徴付ける方法；被験体（ここでこの被験体は、チロシンキナーゼ阻害剤、薬物、または生物学的薬剤、化学的薬剤、タンパク質薬、抗体薬、もしくは他の治療薬を投与された被験体である）から抽出された硝子体液中における、該阻害剤についてはリン酸化されたポリペプチドの存在の測定、または該薬物についてはポリペプチドの存在の測定を含む、チロシンキナーゼ阻害剤または他の薬物の有効性を該阻害剤または薬物が投与された被験体においてモニターする方法、に関するものである。

【0 0 0 4】

硝子体は、病的状態の発症に積極的に関与し、そして特異的な眼の病変と関係し得るタンパク質を含有する。これらのタンパク質は、新脈管形成、増大した容量オスモル濃度を介した機械的牽引、および加齢に関係している。硝子体中に保持されたタンパク質は、眼の組織の状態の記録を提供する。

【0 0 0 5】

硝子体液は、糖尿病性網膜症のような特異的な網膜の病変と関連し得るタンパク質を含有する。糖尿病性網膜症（D R）は、労働に従事する成人における視覚喪失の最も一般的な原因である。1型真性糖尿病の患者のほとんど、および2型糖尿病患者の60%以上は、やがて網膜の脈管異常を発症する。これらの患者の20%～30%は、活動性の増殖性糖尿病性網膜症（P D R）および／または糖尿病性黄斑水腫へ進行する。増大した網膜の脈管の透過性（R V P）は、糖尿病性黄斑水腫の主要な原因であり、そしてP D Rにおける特徴的な所見である。光凝固術および硝子体切除は、視覚喪失を減少させるうえで非常に有効であるが、これらの障害の早期診断および予防的処置は、まだ対処されていない主要な臨床的要求として残っている。以下は、硝子体のプロテオミクス上の発見および硝子体の診断試験のための、さらなる疾患への適用を検討する。

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【0006】

滲出型加齢性黄斑変性（A M D）は、55歳を超える人々における失明の主要な原因である。最もひどい視覚喪失は、滲出型のこの疾患を発症する人々において生じる。滲出型A M Dの処置および早期検出は、先例のない速度で発展している。これらの新しい薬物の研究が、視覚機能の維持のための最も良い機会乾燥型A M Dから滲出型A M Dへの変化の最も早い段階での処置に依存するということ、明白に確立した。さらに、滲出型への進行に先立って、乾燥型A M Dはしばしば広く変化する期間にわたって（数十年の範囲で）持続する。今のところ、自覚的な試験および血管造影によって得られる、おおまかな指標だけが存在する。自覚を増加させるために用いられ得る、A M Dの進行を検出および推定する方法、ならびに既に用いられているイメージング表示装置への大きな必要性が存在する。

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【0007】

滲出型A M Dの患者における視力のひどい低下の原因となる、滲出性のプロセスを調節する生化学的なシグナルについては、ほとんど未解明である。V E G F（血管内皮成長因子）を、このプロセスに関係付けるいくつかのデータが存在するが、可能性のある他の因子に関するデータは、ほとんど存在しない。硝子体、網膜および脈絡膜においてV E G Fをブロックする新しい薬物は、その疾患の進行を遅くすることが可能であるが、しかしその疾患の進行を永久に停止し、そして最終的には、その影響のいくつかを逆転させるための方法を開発する必要性が存在する。滲出型A M Dにおける網膜のプロテオームの理解は、この失明を起こす障害の処置における大きな進展のための機会をもたらす。

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【0008】

網膜の静脈の閉塞は、糖尿病性網膜症および黄斑変性後の視覚喪失の主な原因である。これらの疾患の経過記録は、著しく変化する。唯一の予測的パラメーターは、網膜の脈管灌流の大まかな測定である。網膜の損傷の重症度を段階に分け、視覚上の結果を予測するパラメーターを探す必要がある。これらのパラメーターは、処置を行う医師に、より良い案内を提供する。加えて、これらの試験は、現在のところ処置の選択肢が非常に限られている疾患における新しい処置方法を開発するうえで重要である。

【0009】

類囊胞黄斑水腫（C M E）は、網膜の損傷の原因となり、そして広範に種々の眼の障害において起こる黄斑の水腫の一つの型である。開業医および製薬会社にはC M Eのための処置を開発することへの強い関心がある。C M E患者の眼の流体のプロテオームのプロファイルの理解は、予防および処置における新しい機会を提供する。

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【0010】

白内障は、米国単独で年間数百万の人々に影響するが、白内障の発症を調節する因子についてはほとんど知られていない。本発明者らの最近の発見は、クリスタリンと呼ばれるレンズタンパク質が硝子体の腔において見い出されることを示す。典型的な老年性白内障が、硝子体のゲル部分（硝子体液）の除去の数ヶ月以内に発生することもまた公知である。硝子体のゲルおよびそのゲルの除去に続いて蓄積する残存流体のプロテオームの追跡が、白内障形成を妨げ得る新しい因子の同定を導き得る。多くの面で、このことは眼科学の大望である。

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【0011】

直接的または間接的に送達される眼内用薬物の薬物動態を追跡するツール、および硝子体と血清との間の眼／全身系薬物分配を追跡するツールが必要とされている。そのために、網膜の障害のための薬物の開発および改変が大いに促進され、網膜の障害のための薬物を開発している急速に成長している産業に大きな価値を提供する。

【0012】

本発明は、そのような問題に関して、価値のある技術および方法を提供する。

【0013】

眼の流体、または眼に関連した流体（例えば、硝子体液；水性流体；網膜血（例えば、脈絡膜中に存在する血液）；および涙（涙嚢から抽出された涙を含む））が、本発明に従って分析され得る。流体は、例えば外科的な硝子体切除術により、慣習的に抽出され得る。いくつかの場合において、眼の流体中に反映される特異的な疾患の状態は、蛍光、磁気または放射性ヌクレオチドイメージングにより測定され得る。

【0014】

本発明は、サンプル中に存在する少なくとも一つのポリペプチドまたは他の分子を含む、眼の流体のサンプルのプロテオミクス上のフィンガープリントを提供する。ポリペプチド（「バイオマーカー」としても言及される）は、任意の適切な技術を用いて単離され得る。例えば、バイオマーカーは、バイオマーカー誘引物質がポリペプチドまたは他の生体分子（「バイオマーカー」）と会合している低分子量画分から採取され得る。バイオマーカー誘引物質会合生体分子を単離する方法は、国際公開第05036180号パンフレット（その全体が本明細書中に参考として援用される）に記載されている。

【0015】

用語「バイオマーカー誘引物質分子」または「BAM」は、生物学的流体中のバイオマーカーが付着する分子または他の物質に関する。特定の例において、バイオマーカーは、低い結合親和性（例えば、 10^{-3} L／モル分、 10^{-4} L／モル分、 10^{-5} L／モル分、 10^{-6} L／モル分、 10^{-7} L／モル分、または 10^{-8} L／モル分より小さい結合親和性）で、BAMに付着する。抗体は、自身の産生を促進した免疫応答の結果として生じる特異的な抗原抗体相互作用を通して以外にバイオマーカーに結合する限りにおいて、BAMであり得る。例えば、抗体であるBAMへのバイオマーカーの結合は、例えば、その抗体のFc部分への結合により、相補性決定領域（CDR）の外側で、または可変領域の完全に外側で起こり得る。しかしながら、開示された方法の特定の実施形態において、BAMは抗体ではない。特定のBAMは、あるクラスのバイオマーカーに選択的に結合し得るが、特定のクラスにおけるそのバイオマーカーの結合親和性は、他の非認識分子と比べて、特定の抗体への抗原の結合親和性ほどには顕著には異ならない。バイオマーカーの結合の、より特異性が低い性質は、BAMの特定の実施例で説明され得、ここで一つ以上のバイオマーカーがBAMに結合する（例えば、少なくとも2個、少なくとも5個、少なくとも10個、少なくとも20個、またはそれぞれ50個もしくは、それより多いバイオマーカーが、BAMに結合する）。

【0016】

典型的には、特定の生物学的流体において（例えば、身体中において）、BAMは、BAMに付着するバイオマーカーの半減期よりも長い存在の半減期を有しており、そのため、生物学的流体中でバイオマーカーを濃縮する。例えば、BAMは、約1日より長い（例えば、2日、5日、10日、20日または50日より長い）半減期を有し得る。特定の実施例において、BAMは、腎臓により血液から実質的に濾過されないようなサイズおよび／または形状を有する。他の特定の実施例において、BAMは、25 kDaよりも大きい（例えば、30 kDa、50 kDa、75 kDa、100 kDa、150 kDa、200 kDaまたは300 kDaよりも大きい）分子量を有する。さらに他の特定の実施例において、BAM分子は、特定の範囲（例えば、30 kDaと50 kDaの間、50 kDaと75 kDaの間、75 kDaと100 kDaの間、100 kDaと150 kDaの間、150 kDaと200 kDaの間、200 kDaと300 kDaの間、または30 kD

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aと300kDaの間の任意の他の範囲)に入る分子量を有する。バイオマーカーは、BAMの表面に吸着してもよいし、BAMの内部に吸収されてもよいし、またはその両方であってもよい。

【0017】

BAMの例としては、タンパク質(天然のタンパク質および操作されたタンパク質(例えば、キメラタンパク質、改変されたアミノ酸組成のタンパク質、翻訳後修飾されたタンパク質)を含む)、核酸、炭水化物付加分子、および有機ポリマー、デンドリマー、および粒子(例えば、マイクロ粒子およびナノ粒子であり、それらは、シリカ、金属、セラミックおよび炭水化物のマイクロ粒子ならびにナノ粒子を含む)、および細胞性マイクロ粒子が挙げられる(例えば、Diamant et al, Eur J Clin Invest. 34:392~401, 2004を参照のこと)。

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【0018】

BAMは、イオン性基(例えば、カルボン酸塩、プロトン化アミン、四級アンモニウム、および硫酸基)、水素結合受容体または水素結合供与体、電子供与体または電子受容体、極性基(例えば、アミノ基、ヒドロキシル基、エステル基、スルフヒドリル基およびニトリル基)、疎水性基(例えば、アルキル基、アルケニル基、アルキニル基、または特異的な分配係数を有する基)、ペプチド、タンパク質、核酸、炭水化物、脂質、またはそれらの任意の組み合わせを、BAMの表面または内部に提供するように、産生または誘導体化され得る。BAMがタンパク質(例えば、天然に存在するタンパク質)である場合、生物学的流体からLMMバイオマーカーを集め濃縮するBAMの役割りを反映させるために、このBAMは「キャリアタンパク質」ともまた言及され得る。キャリアタンパク質の例としては、アルブミン、鉄結合タンパク質(例えば、トランスフェリン)、フィブリノーゲン、 α -2-マクログロブリン、免疫グロブリン(例えば、IgA、IgE、およびIgG)、補体、ハプトグロブリン、リボ蛋白、プレアルブミン、 α -1酸性糖タンパク質、フィブロネクチン、およびセルロプラスミン、ならびにそれらの断片、組み合わせ、および化学的誘導体が挙げられる。

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【0019】

プロテオミクスのフィンガープリントは、ポリペプチドわずか1個を含み得るか、または一個以上(すなわち複数)のポリペプチドを含み得る。眼の流体の成分を分析する任意の方法が、利用され得る。例えば、眼の流体中に存在するバイオマーカー誘引物質(バイオマーカー誘引物質分子または「BAM」としてもまた言及される)(アルブミン、プロテオグリカン、グルコサミノグリカン、およびヘパラン硫酸を含む)は、精製目的のために利用され得るが、それに限定されない。そのポリペプチドは、完全なタンパク質として、または断片として存在し得る。そのような断片は、天然に存在し得るか、またはサンプルの加工の間の偶発的なタンパク質分解もしくは意図的なタンパク質分解(例えば、サンプルをタンパク質分解酵素または化学的分解剤に接触させる)のいずれかにより産生され得る。

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【0020】

眼の流体から単離されたバイオマーカーの例を、表2~表13に示す。これらは、SDS-PAGEゲル上で眼の流体のサンプルを泳動し、次いで、全体のゲルレーンを高タンパク質分子量から低タンパク質分子量までトリプシンで消化し、続いてMS/MS分析をおこなうことによって得られた。

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【0021】

本発明に従って検出されたポリペプチドのセットは、眼の流体中に存在するポリペプチドの異なったパターンである「フィンガープリント」として記載され得る。フィンガープリントは、上に記載したBAM技法、または他の技術もしくは精製プロセス(例えば、BAM濃縮ステップを用いず眼の流体中に存在するポリペプチドを特徴づける(そのようなポリペプチドの代表的な例については表2~表13を参照のこと))を用いて調製され得る。

【0022】

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まさにフィンガープリントのように、ポリペプチドのセットは、上記流体を特徴付ける独特の識別子としてだけではなく、被験体の生理的状态としても用いられ得る。眼のフィンガープリントは、身体の中で起こっている生理のプロセスに関係するか、またはその産物である要素（例えば、ポリペプチド）のスナップショットとみなすことができる。本発明にしたがって特徴付けられ得る生理的状态の例としては、疾患状態（例えば、癌、網膜症、糖尿病、黄斑変性、静脈閉塞性疾患、白内障、および本明細書中で言及された他の疾患）；治療状態（例えば、薬物の有効性および有害事象のモニタリング）；臓器の機能（例えば、脳、腎臓、および肝臓の機能のような、正常な臓器機能をモニターする）；毒物学的な状態（例えば、毒素または毒素によって生じる摂動を検出する）；等が挙げられるが、それらに限定されない。したがって、眼の流体のフィンガープリントは、多様な医学的目的、診断上の目的、および治療上の目的（例えば、白内障の形成の危険度の検出（下記を参照のこと）；血液－眼崩壊（blood-ocular breakdown）のモニター；加齢性黄斑変性の検出；キナーゼ阻害剤および他の薬物の治療上の有効性の検出；等）のために用いられ得る。

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【0023】

例えば、眼の流体は、ポリペプチド分解を阻害する物質を含む、中空針硝子体切除カニューレ（whole-bore vitrectomy cannula）またはカッターを用いて、患者から回収され得、そしてその流体はバイオマーカーの存在の分析に供される。そのようなバイオマーカーは、白内障の危険度（例えば、クリスタリンが上昇した場合）；血液－眼バリア（blood-ocular barrier）の完全性；なら

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【0024】

個体の生理的状态の評価のために慣習的に分析され得る他の成功しそうなポリペプチド候補は、特定の生理的状态と病理的に関係するタンパク質を含む。例えば、レチノール結合タンパク質-4（RBP4）は、インスリンの作用をブロックすることによる糖尿病の発症に寄与することが知られている。このタンパク質の眼での検出は、患者における糖尿病の初発および／または進行への重要な洞察を導き得る。これらのポリペプチド候補の他の例としては、Secreted Protein Acidic and Rich in Cysteine（SPARC）が挙げられるが、それに限定されない。SPARCは、傷害後にアップレギュレートされ、そして細胞接着および増殖を調節し、そしてKHKペプチドを放出することにより新脈管形成を促進することが知られている。SPARCは、VEGFに結合し、細胞外表面とのその相互作用を阻害し、そしてまた下流側エフェクター（例えば、ERK1/2）の活性化およびVEGF誘導DNA合成を阻害する。SPARCは新脈管形成を調節するだけではなく、さらに、SPARCのレベルの調節が黄斑変性における新脈管形成を調節する鍵となるらしいと考えられている。疾患状態（例えば、癌）の診断マーカーとして用いられ得るタンパク質の第三の例は、Aktのリン酸化状態の検出を含む。Aktは、PI3K依存様式で増殖因子またはサイトカインにより活性化され、そしてPDK1（T308）およびPDK2（S473）による二つの残

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【0025】

したがって、眼の障害に加えて、眼の流体はまた、被験体の健康および生理的状态をモニターするため一般的に用いられ得る。眼の流体は、他の身体の部分と連通しており、したがって、眼の外の部分（例えば、脳、腎臓、肝臓等）をモニターするために有用である。発生的に眼は、脳の延長であることから、眼の流体の分子組成の状態は、脳における疾

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患についての情報を提供し得る。より離れた臓器に関しては、これらの臓器由来の分子が循環によって眼の流体に入り得るか、または眼の流体のマーカーが離れた臓器に影響する全身性の身体範囲のプロセスを反映し得る。

【0026】

本発明はまた、被験体の生理的状态をモニターする方法に関しており、被験体から抽出された硝子体液サンプル中の翻訳後修飾ポリペプチド（例えば、リン酸化）の存在の測定を含む。特定の請求項において、シグナル伝達経路がモニターされ得る。シグナル伝達経路は、細胞の活性（例えば、レセプターの占有を示すこと、部位指向性のタンパク質-タンパク質結合、および遺伝子発現において最高点に達する酵素反応のカスケードの開始）を調節する化学的事象（例えば、リン酸化）を生じることを含む、身体中の任意の経路を含む。例えば、リン酸化は、細胞増殖、細胞死、遺伝子発現、および刺激への細胞の応答に関係する多くの生物学的経路における重要な翻訳後修飾事象である。加えて、異常なリン酸化パターンは、癌および他の過増殖性障害のような疾患と関係し得る。

【0027】

さらなる例としては、例えば、Gタンパク質レセプター媒介経路（特に、血管内皮成長因子レセプター（例えば、VEGFR-1、VEGFR-2）、上皮増殖因子レセプター（EGFR）、HER2、アドレナリン作用性レセプター（例えば、 α 型および β 型）のようなチロシンキナーゼのレセプター）；ホルモン媒介レセプター；等が挙げられる。レセプターの例としては、VEGFR-2（例えば、リン酸化部位Y951、Y996、Y1054、Y1059、Y1175、Y1214を含む）；PDGFR- β （例えば、リン酸化部位Y740、Y751、およびY771を含む）、およびEGFR（例えば、リン酸化部位Y1173、Y1148、Y1068、Y845、およびY992を含む）が挙げられる。

【0028】

これらの方法はまた、薬物（特に、チロシンキナーゼのようなキナーゼを調節するために使用される薬物）、または自己血小板濃縮液のような生物学的基礎を持つ治療の有効性を測定またはモニターするために用いられ得る。多様な治療用の薬剤が、異常な、または増大したキナーゼ活性と関連する疾患または障害（癌および新脈管形成を含む）を処置するために用いられる。標的としては、例えば、raf、PDGFR- α 、PDGFR- β 、EGFR、VEGFR、VEGFR1、VEGFR2、VEGFR3、HER-2、KIT、FLT3、c-MET、FGFR、FGFR1、FGFR3、c-FMS、RET、ABL、ALK、ARG、NTRK1、NTRK3、JAK2、ROS等が挙げられるが、それらに限定されない。他のシグナル伝達の標的としては、例えば、ERK、AKT、PYK2等が挙げられる。

【0029】

キナーゼに影響する薬物の例としては、例えば、アバスチン（ベバシズマブ）、セツキシマブ、エルロチニブ（タルセバまたはOS1774）、エベロリムス（RAD001）、ファスジル、FK506、ゲフィチニブ（ZD1839）、メシル酸イマチニブ（ST157またはグリベック）、トシル酸ラパチニブ（GSK572016）、ラパマイシン、ソラフェニブ（Sorafinib）、シロリマス、スニチニブ（スーテント）、トラスツズマブ（ハーセプチン）、セラファニブ（serafanib）およびワートマニンが挙げられるが、それらに限定されない。

【0030】

そのような薬物治療の一つの目標は、標的ポリペプチドのリン酸化の量を減少させることである。例えば、いくつかの抗癌剤が、VEGFR-2のリン酸化をブロックすることにより、新脈管形成をブロックするために使用される。そのような薬物の有効性は、硝子体液中へ流入するリン酸化されたレセプターの存在を検出することによりモニターされ得る。添付の実施例に示したように、リン酸化VEGFR-2ポリペプチドフラグメントおよびリン酸化PDGFR- β ポリペプチドフラグメントが、逆相分析を用いて硝子体液中で検出された。

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【0031】

逆相タンパク質マイクロアレイは、サンプル中のタンパク質の効率的で正確な検出のために、慣習的に用いられる技法である。単一のサンプルから抽出されたタンパク質が、基層上に固定される。補足された分析物は、関心のあるタンパク質／ポリペプチドを指向する一次抗体で検出され、そして二次標識分子が検出戦略のために導入される。アレイ上の各スポットが異なるサンプルに対応する。異なるサンプルの総溶解物が、アレイ上に固定され、そして一つの抗体とインキュベートされる。アレイ上の各スポットは、異なるサンプルに対応する（アレイ当たり640溶解物まで）。逆相マイクロアレイは、細胞内シグナル伝達に関与するタンパク質の間のネットワークおよびクロストーク中への探査を可能にする。例えば、マイクロアレイプリンティング、タンパク質検出、および／またはタンパク質定量における、逆相マイクロアレイ技術の使用は、本発明の範囲と全く同等である。

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【0032】

ポリペプチドの検出は、任意の適切な技術によりなし得る。ポリペプチドのバックボーン、ならびに、グリコシル化およびリン酸化のようなポリペプチドの翻訳後修飾が、検出され得る。抗体（例えば、標的ポリペプチドのアミノ酸エピトープ、リン酸化アミノ酸等に対して生成された）が、慣習的に用いられ得る。逆相分析は、眼のポリペプチドを検出するために用いられ得、ここで、前記アレイは、ニトロセルロースのような基質に固定された眼の流体を含み、そして関心のある標的に特異的に結合する結合の相手（例えば、抗体）が加えられる。これらは、その流体の組成を特徴づけ、そしてプロテオミクスのフィンガープリントを含む疾患バイオマーカーを生成するために、迅速に用いられ得る。例えば、Grubb et al., Proteomics, 3:2142-2146, 2003を参照のこと。質量分析法および他の従来のプロテオミクスの方法もまた用いられ得る。

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【0033】

本発明において、黄斑の疾患、網膜剥離症、眼の炎症、糖尿病性網膜症および多くの他の疾患を検出するための、脱落したレセプターまたはシグナル伝達分子および／またはそれらのリン酸化型（例えば、VEGFR、PDGFR、EGFR、RBP4）の、健常な被験体におけるプロファイルと患者におけるプロファイルを比較することを含む方法が、提供される。注目すべきことに、これらのレセプタータンパク質は、既存の薬物（例えば、グリベック（Gleevec）、イレッサ、およびアバスチン）の既存の薬物標的として知られており、このことは、この情報が患者のためのテーラーメード治療に用いられ得ることを示している。白内障に関して、本発明は、網膜剥離症のための硝子体切除を受けた患者の硝子体サンプル中の一連のクリスタリンの同定に関するものである。そのような患者は、白内障を即座に発症する特定の危険を事実上有する。黄斑孔または黄斑剥離治療もしくは黄斑一脈管漏出に関しては、治療は、血小板抽出物のような天然の自家移植タンパク質の投与を含み得る。

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【0034】

本願に記載された相関に基づいて、特定の患者に関して、例えば、患者から硝子体液を抽出し、そして完全に型にはまった方法（例えば、免疫学的な技術、抗体診断、放射免疫分析、質量分析、マイクロアレイ、ウエスタンブロット法、ゲル電気泳動法、および標識化または酵素増幅診断技術）を用いて、特定のポリペプチドまたは興味のあるフラグメントの含量を決定することにより、疾患の存在が評価される。

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【0035】

先に記載された技術を用いて、慣習的な方法を用いている当業者は、特定の疾患の検出および診断の要求を満たすか、または特異的である相関を開発し得る。例えば、疾患を示すであろう特定のペプチドのレベルまたは量に関して、硝子体液の同一性および／または成分を特徴づける手段を、前記方法は提供する。疾患に特有であるペプチド（ここで、そのようなペプチドの任意の量の存在が、疾患が存在する可能性を示す）が、記載される。当業者は、特定の疾患または生理的状态と関係のあるペプチドバイオマーカーの既存の知

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識を利用し得、そして本発明により記載された方法を用いて前記ペプチドをスクリーニングし得る。いくつかの場合において、上記「背景技術」の分子の存在または非存在が、疾患の診断になり得る。なぜならばそのような分子が、なり得ないとは予測され得ないからである。一つの例は、滲出型黄斑変性の間の脈管漏出と関連する分子である。他の場合において、その分子の濃度のレベルまたは、リン酸化分子（一つ以上の特異的な残基上のリン酸化）のレベルは、その疾患の重症度または患者に投与された薬物により生じた疾患抑制の量に、定量的に関係し得る。一つの例は、（a）新脈管形成阻害剤に対する要求、および（b）VEGFリガンドがレセプターの引き金を引くことを抑制するように新脈管形成阻害剤が働いているか否か、の予測として、VEGFRのリン酸化状態（総レセプタータンパク質の量との相関はないかもしれない）を検出するための方法である。レセプターが活性化またはリガンドと結合している場合、そのときは（かつ、その場合だけ）、レセプターはリン酸化される。

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【0036】

本発明は、重要な生物学的マーカーの貯蔵器としての、硝子体液の使用に関するものである。表において説明されるように、サンプルは、生体試料または死体から単離され得る。表2～表13は、眼の硝子体液中に存在するペプチドの代表的なリストを提供する。

【0037】

本発明はまた、被験体において、疾患および／または生理的状态の、可能性のあるバイオマーカーである新規タンパク質／ペプチドの同定のための方法を提供する。眼の疾患（例えば、黄斑孔、網膜変性、または黄斑孔および網膜変性の組み合わせ）に関係する、そのようなペプチドの代表的な例が、表（表5～表13）に示される。（例えば、異なる疾患または対照サンプルと比較した場合に）疾患と特異的に関連しているポリペプチドを、強調／下線で示す。

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【0038】

さらに、本発明は、眼の硝子体液中のタンパク質を検出するための方法に関するものであり、タンパク質の単離、酵素的加水分解（例えば、トリプシンを用いる）、HPLC分離を含み、質量分析を用いて分離し、そして回収されたフラグメントは候補ポリペプチドのデータベースで探索される。ペプチドのHPLC分析のための慣習的な方法は、当該分野で公知であり、そして興味のある分離カラムおよび／または緩衝剤（例えば、改変されたC-18カラム）の利用を伴い得る。ペプチドの質量分析の技術もまた公知であり、そして、例えば、ナノスプレー／リニアイオントラップ質量分析を含み得る。

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【0039】

本願発明はまた、硝子体切除を行うための改善された中空針硝子体切除カニューレまたはカッターを提供し、ここで、その改善は、前記カニューレまたはカッター中に、ポリペプチドの完全性を保護する少なくとも一つの化学物質を含有する容器を含む。容器中に含有され得る化学物質としては、例えば、プロテアーゼ阻害剤、ホスファターゼ阻害剤等が挙げられる。特定の例としては、セリンプロテアーゼ阻害剤、システインプロテアーゼ阻害剤、アスパラギン酸プロテアーゼ阻害剤、およびメタロプロテアーゼ阻害剤が挙げられる。これらの例は、AEBSF、アプロチニン、E-64、EDTA、ロイペプチン、ベスタチン、オーフェナントロリン、カテプシン等を含む。

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【0040】

さらなる詳述なしに、当業者は、先述の説明を用いて、以下の発明を完全な範囲まで利用し得ると考えられる。したがって、添付の特定の好ましい請求項は、単に説明として構成されており、開示の残りを決して制限するものではない。

【0041】

先に、および後に引用された全ての出願、特許、および公報の全体の開示が、本明細書中で参考として援用される。

【0042】

本発明は、次に述べる、制限を伴わない実施例への参考とともに、以下に説明される。

【実施例】

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【0043】

(実施例)

先行の実施例、および次に述べる実施例において、全ての温度は、訂正がなければ、セ氏温度(℃)で記載され、そして全ての割合およびパーセンテージは、特に指定がない限り、重量による。

【0044】

(実験手順)

(硝子体のサンプリング)

毛様体輪硝子体切除

全ての硝子体サンプルは、手術の硝子体切除段階の前に得た。手術は、本研究への参加とは関係なく行われた。患者は、通常の無菌様式において準備処置を施され、そして滅菌布で覆われた。研究の硝子体切除段階の前に、少量の硝子体液(約0.1ml)を、毛様体輪によって滅菌TB注射器中に得た。次いで、硝子体サンプルは、貯蔵およびその後の硝子体プロテオーム分析のために、-20℃または-80℃で凍結した。手術のみから受ける危険に加えてさらなる危険は、患者には存在しなかった。

【0045】

剖検研究

制限のない、同意された剖検において、10ml ツベルクリン注射器に取り付けた22g注射針を、外側眼瞼裂中に挿入することにより、2~8mlの透明な硝子体ゲルを抽出した。サンプルは、-80℃で直ちに凍結した。

【0046】

約5~10ccの硝子体液を、各眼から採取した。9つの別々の剖検サンプルを入手した。サンプルは、分析が行われ得るまで-80℃で貯蔵した。

【0047】

全硝子体切除を受けている患者からのサンプル

患者は、該患者が罹患している特定の病状のために規定された麻酔/手術手順に応じて準備した。硝子体切除は、眼の後部の明瞭な画像を提供するように設計された手術用顕微鏡および外部レンズを用いて実行した。強膜刀を用いて、長さがわずか数ミリメートルだけの三つ(tree)のごく小さい切り込みを強膜上に作り、そして眼科手術医は、次の器具：すなわち、1)眼の内部を照らす光ファイバー光源、2)手術の間、眼の形および正常状態を維持するための注入ラインおよび、3)硝子体を切開し回収する硝子体刀を挿入した。総硝子体を、硝子体刀により吸引し、そして、手術手順の長さ、さらなる手順が必要とされるかどうか、および眼の全般的な健康状態に依存して、手術時間の間、室温に保たれたリンガー-乳酸緩衝剤溶液で5~8回洗浄した。硝子体の回収直後に、洗浄した硝子体を入れている小箱を4℃に置き、そして60分以内にゆるやかに吸引し、その後、冷却リンガー-乳酸緩衝剤溶液で1:1に希釈した(4℃で)。その後、その懸濁物を注意深く5回混合し、そして肉眼で見えるいずれの物質も完全に溶解するまで、ナローチップを装備した滅菌ピペットを通過させた(20回)。最終的に、再懸濁した物質を、前もってラベルしたプラスチックチューブ中に少量のアリコート(1ml)に分注し、直ちに液体窒素で凍結し、15分以内に-80℃で貯蔵した。より少量のアリコートをまた、市販のブラッドフォード分析(Biorad)を用いるタンパク質定量を後で実行するために凍結した。全ての手順は、滅菌プラスチック製品を用いて実行した。

【0048】

眼組織に含有されるタンパク質を分析する再現性のある手順を開発するため、地域の食肉解体処理場から入手したウシ眼球を用いて、予備実験を行った。眼球は、硝子体を抽出するまで4℃で維持した(すなわち、動物の死後6~8時間)。該眼球を、角膜縁から3mm後方で切開し、全硝子体および全レンズを、上述(Facchiano et al, 1996)されたように回収した。その後、サンプルは、冷却した食塩緩衝剤を用いて、その物質の機械的な解離により再懸濁した。眼組織ホモジネートにおけるタンパク質濃度および安定性は、SDS-PAGE分析および銀染色手順により調べた。

【0049】

(ナノフロー逆相液体クロマトグラフィータンデム質量分析)

硝子体サンプルをトリプシンにより消化し、そしてペプチドをZip-tip (Waters) により精製した。このペプチドを、その後、イオントラップ質量分析器 (LTQ、ThermoElectron、San Jose、CA) による逆相液体クロマトグラフィーナノスプレータンデム質量分析により分析した。逆相カラムは、レーザープルドチップ (laser-pulled tip) を持つ内径 $100\mu\text{m} \times 10\text{cm}$ 長の溶融シリカキャピラリー (Polymicro Technologies、Phoenix、AZ) 中に、孔のサイズが $200\text{\AA}$ の、 $5\mu\text{m}$ の C_{18} レジン (Michrom BioResources、CA) 懸濁物を内部に充填した。サンプル注入後、該カラムを移動相 A (0.1% ギ酸) で5分間洗浄し、そしてペプチドを、 $250\text{nl}/\text{分}$ で30分の、0%移動相 B (0.1% ギ酸、80% アセトニトリル) から50%移動相 B への直線勾配、その後さらに加えて5分間で100% B への直線勾配を用いて溶出した。LTQ 質量分析はデータ依存モードで作動され、各完全 MS スキャンに5回の MS/MS スキャン (ここでは、五つの最も豊富な分子イオンが、動的に選択され、そして35%の基準化衝突エネルギーを用いる衝突誘導解離 (CID) により断片化された) が後に続く。

【0050】

(バイオインフォマティクス分析)

タンデム質量スペクトルは、トリプシンによる切断条件およびヨードアセトアミドによるシステインの静的なアルキル化を用い、Swiss-Prot ヒトデータベースに対し、Sequest Bioworks Browser (ThermoFinnigan) によって、適合させた。正しく同定されたと考えられるペプチドは、 $[\text{M}+\text{H}]^{1+}$ についての相互相関スコアが1.5、 $[\text{M}+2\text{H}]^{2+}$ についての相互相関スコアが2.0、 $[\text{M}+3\text{H}]^{3+}$ についての相互相関スコアが2.5、 $\Delta\text{Cn} > 0.1$ 、および無作為な同定 (randomized identification) の最大確率が0.01を達成しなければならなかった。

【0051】

【表1】

硝子体サンプル	年齢	性別	死因/診断	PM 間隔	硝子体色	硝子体透明度
2005-35	35	男	腹膜炎/腎症性シスチン蓄積症	72時間	淡ピンク	透明
2005-41	41	男	播種性アスペルギルス症/GBM	12時間	無色	透明
2005-49	59	男	転移性腎細胞癌	5時間	無色	透明
2005-52	59	女	不明/AML	14時間	無色	透明
2005-56	71	男	肺炎/多発性硬化症	20.5時間	無色	透明
2005-60	40	女	肺炎/ALL	62時間	淡ピンク	透明
2005-67	20	男	肺炎/アレグザンダー病	8時間	無色	透明
2005-71	24	男	CVA/慢性肉芽腫症	33時間	無色	透明
2005-78	64	男	肝硬変/C型肝炎	48時間	黄色	透明
2004-34	16	男	神経性トキソプラズマ症/脊髄形成異常症	16時間	無色	透明
2004-39	53	男	CVA/ヘアリーセル白血病	8.5時間	無色	透明
2005-74	46	女	dad/aml-m5	5時間	無色	透明

【0052】

【表 2】

オステオポンチン前駆体
 インターロイキン前駆体
 神経カドヘリン前駆体
PROSAAS 前駆体 (グラニン様神経内分泌ペプチド前駆体)
 光受容体間レチノイド結合タンパク質前駆体
Dickkopf 関連タンパク質-3 前駆体
TriadinMutS タンパク質ホモログ 4
Wnt 阻害因子 1 前駆体
S-アレスチン
 フォンエブナー腺タンパク質前駆体
 オプティシン (**Opticin**)
 コフィリン
 受容体前駆体
TCP11b タンパク質
 腎特異的膜タンパク質 **NX-17**
 レチノイン酸受容体応答タンパク質
 網膜芽腫関連因子 600
 レチノシシン (**Retinoschisin**)
 ムスカリン様アセチルコリン受容体 **M5**
 ホスファチジルエタノールアミン結合タンパク質
BAG-ファミリー分子シャペロン調節因子-1
 β クリスタリン B

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先述の実施例は、一般的または特異的に記載された反応物質および／または本発明の作
 動条件を、先述の実施例において用いた反応物質および／または作動条件と置き換えるこ
 とにより、類似の結果をともなって繰り返し得る。

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【0053】

上述の明細書から、当業者は、本発明の重要な特徴を、本発明の精神および範囲から、
 はずれることなく容易に確認し、そして多様な使用および条件に適合するように、本発明
 の多様な改変および修正を行うことができる。

【0054】

当業者は、先述の情報および当該分野で入手可能な情報を用いて、最大の範囲まで本発
 明を利用し得ると考えられる。本明細書中に規定されたように、本発明の精神または範囲
 から、はずれることなく、本発明を改変および修正し得ることは、当業者には明白である
 。先に、および後で規定する項目の見出しは、特定の情報が本願においてどこで見い出さ
 れ得るかの案内としての意味を持つが、しかし、そのような項目の情報が本願においてど
 こで見い出され得るかの情報源としてのみ存在することを意図するものではない。先に引
 用された全ての公刊物および特許は、本明細書中に参考として援用される。

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【0055】

【表 3 - 1】

表 3.1 : 硝子体液において同定されたタンパク質 (1)

タンパク質名	P (確率)	アクセッション番号	Id Pep	Id No on 19	Pat No
1 albumin precursor; PRO0883 protein [Homo sapiens]	1.00E-30	4502027	35	19	11
2 transthyretin; prealbumin [Homo sapiens]	1.00E-30	4507725	23	19	11
3 transferrin; PRO2086 protein [Homo sapiens]	1.11E-15	4557871	52	19	11
4 serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotei	1.11E-16	21361198	16	19	11
5 clusterin isoform 1; complement-associated protein SP-40 [Homo sapiens]	1.53E-13	42716297	14	19	11
6 complement component 3 precursor; acylation-stimulating protein cleavag	8.55E-14	4557385	10	18	10
7 ceruloplasmin (ferroxidase); Ceruloplasmin [Homo sapiens]	2.96E-12	4557485	8	18	11
8 hemopexin [Homo sapiens]	6.22E-14	11321561	9	18	10
9 serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi	1.05E-12	39725934	13	18	11
10 orosomucoid 2; alpha-1-acid glycoprotein, type 2 [Homo sapiens]	2.73E-13	4505529	5	17	10
11 vitamin D-binding protein precursor; vitamin D-binding alpha-globulin	1.49E-13	32483410	7	17	9
12 complement component 4B precursor [Homo sapiens]	3.11E-14	4602501	6	16	11
13 apolipoprotein A-I precursor [Homo sapiens]	4.91E-12	4557321	10	16	10
14 orosomucoid 1 precursor; alpha-1-acid glycoprotein 1; Orosomucoid-1 (a)	5.08E-13	9257232	6	15	10
15 RBP3 gene product [Homo sapiens]	3.33E-15	4506453	16	14	10
16 beta-2-microglobulin precursor [Homo sapiens]	9.99E-15	4757826	3	14	10
17 gelsolin isoform b [Homo sapiens]	1.00E-30	38044288	4	14	9
18 apolipoprotein E precursor; apolipoprotein E3 [Homo sapiens]	1.58E-11	4557325	6	13	9
19 EGF-containing fibulin-like extracellular matrix protein 1 isoform b; f	1.03E-11	9665253	3	13	9
20 PREDICTED: hypothetical protein XP_373740 [Homo sapiens]	3.65E-05	41222847	2	13	9
21 complement factor B preproprotein; C3 proactivator; C3 proaccelerator;	2.63E-09	4502397	4	12	5
22 complement component 1 inhibitor precursor [Homo sapiens]	1.28E-09	4557379	4	12	10
23 supervillin isoform 2; membrane-associated F-actin binding protein p20	1.51E-03	11496982	1	12	9
24 apolipoprotein A-II precursor [Homo sapiens]	1.60E-11	4502149	4	11	6
25 cystatin C precursor; cystatin 3; gamma-trace; post	1.15E-10	4503107	6	11	9
26 alpha-1-antichymotrypsin, precursor; alpha-1-antichymotrypsin; antichym	3.02E-09	4501843	3	10	7
27 alpha-2-macroglobulin precursor [Homo sapiens]	5.16E-12	4557225	8	10	10
28 beta-2-glycoprotein I precursor [Homo sapiens]	5.22E-14	4557327	4	10	5
29 prostaglandin D2 synthase 21kDa; prostaglandin D synthase; prostagland	5.88E-14	32171249	3	10	8
30 dickkopf homolog 3; RIG-like 7-1; RIG-like 5-6; dickkopf [Xenopus lae	7.77E-15	40548389	3	10	9
31 kininogen 1; alpha-2-thiol proteinase inhibitor; bradykinin [Homo sapie	1.79E-08	4504893	3	9	5
32 secreted phosphoprotein 1 (osteopontin, bone sialo	3.44E-14	4759166	5	9	9
33 haptoglobin [Homo sapiens]	7.34E-11	4826762	7	9	6

【 0 0 5 6 】

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【表 3 - 2】

	タンパク質名	P (確率)	アクセッション番号	Id	Peptid No on 19	Pat No
34	plasma glutathione peroxidase 3 precursor [Homo sapiens]	1.54E-11	6006001	2	9	7
35	haptoglobin-related protein; Haptoglobin-related locus [Homo sapiens]	5.75E-09	45580723	7	9	6
36	alpha-1-microglobulin/bikunin precursor; Alpha-1-microglobulin/bikunin	8.33E-11	4502067	3	8	8
37	serine (or cysteine) proteinase inhibitor, clade C (antithrombin), memb	3.24E-07	4502261	3	8	6
38	crystallin, beta B1; eye lens structural protein [Homo sapiens]	1.68E-11	4503061	22	8	3
39	crystallin, beta B2; eye lens structural protein [Homo sapiens]	4.24E-11	4503063	7	8	4
40	cathepsin D preproprotein [Homo sapiens]	2.95E-10	4503143	2	8	7
41	I factor (complement) [Homo sapiens]	1.88E-07	4504579	2	8	6
42	REP4 gene product [Homo sapiens]	9.77E-14	5803139	3	8	6
43	alpha 1B-glycoprotein [Homo sapiens]	2.60E-12	21071030	2	8	6
44	transcription factor-like protein 4 isoform gamma; MAX-like bHLZIP pr	2.12E-03	2458667	1	8	5
45	tripeptidyl-peptidase I precursor [Homo sapiens]	1.00E-30	5729770	1	7	7
46	opticin; opticin, oculoglycan; oculoglycan [Homo sapiens]	3.15E-09	7657419	2	7	4
47	crystallin, beta A3; eye lens structural protein [Homo sapiens]	2.22E-15	12056461	11	7	2
48	apolipoprotein A-IV precursor [Homo sapiens]	4.20E-11	4502151	4	6	3
49	crystallin, alpha A; crystallin, alpha-1; human alphaA-crystallin (CRYA	6.66E-15	4503055	9	6	2
50	crystallin, alpha B; heat-shock 20 kD like-protein [Homo sapiens]	1.82E-11	4503057	6	6	2
51	lipocalin 1 precursor; lipocalin 1 (protein migrati	1.23E-12	4504963	4	6	6
52	angiotensinogen precursor; angiotensin II precursor; pre-angiotensinoge	2.70E-12	4557287	4	6	6
53	lysozyme precursor [Homo sapiens]	9.99E-15	4557894	5	6	6
54	phosphodiesterase 6A, alpha subunit [Homo sapiens]	2.08E-04	4586864	1	6	5
55	GTPase regulator associated with the focal adhesion kinase pp125; GTPas	1.08E-03	7662208	1	6	4
56	crystallin, gamma S; crystallin, gamma 8 [Homo sapiens]	8.39E-13	8922120	12	6	3
57	amyloid beta (A4) precursor-like protein 2; amyloi	1.07E-09	4502147	3	5	5
58	carboxypeptidase E precursor [Homo sapiens]	7.12E-12	4503009	4	5	5
59	beta globin; hemoglobin beta chain [Homo sapiens]	9.99E-15	4504349	6	5	4
60	histidine-rich glycoprotein precursor; histidine-proline rich glycoprot	5.05E-08	4504489	2	5	4
61	amyloid beta (A4) precursor-like protein 1 [Homo sa	5.89E-08	4886065	1	5	5
62	glyceraldehyde-3-phosphate dehydrogenase [Homo sapiens]	5.99E-10	7669492	3	5	5
63	dual specificity phosphatase 5; serine/threonine specific protein phos	1.12E-04	12707566	1	5	4
64	ectonucleotide pyrophosphatase/phosphodiesterase 2	2.68E-14	20070230	2	5	5
65	hypothetical protein DKFZp434O0527 [Homo sapiens]	7.81E-04	34916026	1	5	4
66	afamin precursor; alpha-albumin [Homo sapiens]	1.10E-12	4501987	1	4	3
67	lysosomal trafficking regulator; beige protein [Hom	5.78E-05	4502839	1	4	4
68	chitinase 3-like 1; cartilage glycoprotein-39 [Homo sapiens]	9.78E-06	4557018	1	4	3

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		P [標準]	アクセッション番号	Id	Pep	Id	No on 19	Pat No
69	skeletal muscle specific actinin, alpha 3 [Homo sapiens]	3.34E-04	4557241	1	4	3		
70	Niemann-Pick disease, type C2 precursor; epidiolal	1.08E-10	5453678	1	4	4		
71	Wnt inhibitory factor-1 precursor; Wnt inhibitory factor-1 [Homo sapien	2.09E-08	6005950	3	4	4		
72	hypothetical protein FLJ20580 [Homo sapiens]	8.20E-04	8923541	1	4	3		
	タンパク質名							
73	arginyl-tRNA synthetase [Homo sapiens]	2.46E-03	15149476	1	4	4		
74	enolase 3; enolase-3, beta, muscle; muscle specif	8.89E-15	16554592	1	4	4		
75	ribosomal protein L10-like protein [Homo sapiens]	1.50E-03	18152783	1	4	2		
76	SPARC-like 1; hevlin; mast9 [Homo sapiens]	9.96E-08	21359871	1	4	4		
77	mutS homolog 5 isoform a; mutS (E. coli) homolog 5 [Homo sapiens]	6.18E-03	26638662	1	4	4		
78	dual oxidase 2 precursor; dual oxidase-like domains 2; nicotinamide ad	2.36E-04	28872753	1	4	4		
79	pancreatic ribonuclease precursor; RNase upl-1 [Homo sapiens]	1.24E-08	38201682	1	4	4		
80	FLJ25005 protein [Homo sapiens]	4.55E-03	38570111	1	4	4		
81	PREDICTED: hypothetical protein XP_376099 [Homo sapiens]	6.72E-05	42656388	1	4	3		
82	PREDICTED: KIAA1414 protein [Homo sapiens]	2.04E-03	51460558	1	4	3		
83	PREDICTED: cardiomyopathy associated 3 [Homo sapiens]	5.89E-05	51460893	1	4	2		
84	PREDICTED: hypothetical protein FLJ25756 [Homo sapiens]	4.76E-04	51472397	2	4	4		
85	PREDICTED: KIAA0179 [Homo sapiens]	8.94E-04	51475296	1	4	4		
86	PREDICTED: similar to phosphatase-like 3; phosphatase-like 2; IAP-associat	5.29E-05	51492730	3	4	2		
87	alpha 1 actin precursor; alpha skeletal muscle act	1.29E-05	4501881	1	3	3		
88	alpha-2-HS-glycoprotein; Alpha-2HS-glycoprotein [Homo sapiens]	3.79E-04	4502005	1	3	3		
89	alpha-2-glycoprotein 1, zinc; Alpha-2-glycoprotein,	1.77E-08	4502337	2	3	3		
90	filensin; cytoskeletal protein, 115 KD [Homo sapie	1.32E-09	4502399	3	3	1		
91	crystallin, beta A4; eye lens structural protein; C	4.44E-15	4503059	8	3	2		
92	Fc fragment of IgG binding protein; IgG Fc binding	1.36E-08	4503681	8	3	3		
93	glutathione transferase; deafness, X-linked 7; fatt	1.03E-11	4504183	1	3	3		
94	alpha 2 globin; alpha globin; alpha-2 globin [Homo sapiens]	6.97E-12	4504345	5	3	3		
95	lactotransferrin; lactoferrin [Homo sapiens]	9.25E-11	4505043	11	3	3		
96	prolactin-induced protein; prolactin-inducible pro	1.85E-09	4505821	2	3	3		
97	plasminogen [Homo sapiens]	2.12E-04	4505881	1	3	2		
98	pregnancy-zone protein; Pregnancy zone protein [Homo sapiens]	4.49E-09	4506355	1	3	3		
99	S-arrestin [Homo sapiens]	9.37E-11	4506781	5	3	3		
100	acyl-Coenzyme A dehydrogenase, very long chain pre	1.84E-04	4557235	2	3	3		
101	sparc/osteonectin, cwcv and kazal-like domains pro	4.61E-06	4759164	1	3	3		
102	insulin receptor substrate 1 [Homo sapiens]	3.11E-03	5031805	1	3	1		
103	cleavage and polyadenylation specific factor 3, 73kDa; cleavage and pol	1.10E-03	7706427	1	3	2		

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【表 3 - 4】

	タンパク質名	P (確率)	アクセッション番号	Id	Pep	Id No	on 19	Pat No
104	leucine zipper, putative tumor suppressor 1; F37/E	2.64E-03	10440566	1		3		2
105	crystallin, gamma C; crystallin, gamma-3 [Homo sa	1.39E-10	10518338	3		3		1
106	succinate-CoA ligase, ADP-forming, beta subunit; SCS-betaA for ATP spe	5.79E-03	11321583	1		3		1
107	alpha-2-plasmin inhibitor; alpha-2-antiplasmin [Homo sapiens]	7.14E-12	11386143	1		3		3
108	H4 histone family, member E [Homo sapiens]	2.50E-06	11415030	1		3		3
109	fibrinogen, gamma chain isoform gamma-B precursor [Homo sapiens]	3.10E-11	11761633	6		3		2
110	pantothenate kinase 3; pantothenic acid kinase [Homo sapiens]	1.01E-03	13375789	1		3		2
111	crystallin, gamma D; gamma crystallin 4 [Homo sap	1.67E-14	13377002	3		3		1
112	retbindin [Homo sapiens]	1.13E-06	13899247	1		3		3
113	ubiquitin specific protease 15; deubiquitinating enzyme [Homo sapiens]	6.90E-04	14149627	1		3		2
114	tubulin alpha 6 [Homo sapiens]	4.32E-08	14389309	1		3		3
115	leucine-rich alpha-2-glycoprotein 1; 2310031E04RIK	8.88E-15	16418467	2		3		3
116	peptidoglycan recognition protein L precursor [Homo sapiens]	3.34E-05	21361845	1		3		3
117	brain creatine kinase; creatine kinase B-chain; c	1.13E-13	21536286	3		3		3
118	junctophilin 1; mitsugumin72; junctophilin type1 [Homo sapiens]	2.43E-03	21735575	1		3		2
119	zinc finger protein 560 [Homo sapiens]	1.43E-03	22749003	1		3		2
120	DEAH (Asp-Glu-Ala-His) box polypeptide 29; nuclei	2.79E-03	26553432	1		3		3
121	nucleoporin 210; nuclear pore membrane glycoprotein 210 [Homo sapiens]	2.84E-03	27477134	1		3		3
122	PREDICTED: similar to Von Ebners gland protein pr	1.42E-10	27498839	2		3		3
123	hypothetical protein FLJ32440 [Homo sapiens]	3.97E-05	27734761	1		3		2
124	plexin B3; plexin-B3; plexin 6 [Homo sapiens]	5.99E-04	29336063	1		3		1
125	CP110 protein [Homo sapiens]	6.19E-04	31543018	2		3		3
126	pyruvate kinase 3 isoform 1; thyroid hormone-bind	1.07E-10	33286418	2		3		3
127	nucleoporin 214kDa; nuclear pore complex protein	1.49E-04	33946327	1		3		3
128	bullous pemphigoid antigen 1 isoform 1; bullous p	9.37E-03	34577047	1		3		3
129	PREDICTED: similar to KIAA0663 gene product [Homo	3.85E-04	41088123	1		3		3
130	calsyntenin 1; non-classical cadherin XB31alpha1;	1.68E-08	41281561	1		3		3
131	amyloid beta A4 protein precursor, isoform b; pro	6.60E-05	41406055	1		3		3
132	PREDICTED: KIAA1030 protein [Homo sapiens]	6.88E-04	42659643	1		3		3
133	KIAA0317 [Homo sapiens]	1.98E-03	42734315	1		3		2
134	PREDICTED: similar to sin3 associated polypeptide p18 [Homo sapiens]	4.51E-04	51461003	1		3		3
135	PREDICTED: KIAA0367 protein [Homo sapiens]	1.19E-03	51467193	1		3		3
136	PREDICTED: similar to transcription elongation fa	2.45E-03	51467523	1		3		3
137	complement component 9 [Homo sapiens]	2.66E-05	4502511	1		2		2
138	centromere protein C 1; Centromere autoantigen C1 [Homo sapiens]	1.23E-03	4502779	1		2		2

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【表 3 - 5】

		P (確率)	アクセッション番号	Id Pep	Id No on 19	Pat No
139	phakitin; beaded filament protein CP49; bfps2, Cyto	9.69E-12	4502995	2	2	1
140	cystatin S precursor; cystatin 4 [Homo sapiens]	2.01E-06	4503109	1	2	2
141	coagulation factor II precursor; prothrombin [Homo	1.03E-09	4503635	1	2	2
142	semaphorin 7A; sema domain, immunoglobulin domain	1.10E-06	4504237	2	2	2
143	insulin-like growth factor binding protein 7 [Homo	3.61E-06	4504619	1	2	2
144	neogenin homolog 1; neogenin (chicken) homolog 1 [Homo sapiens]	3.72E-03	4505375	1	2	2
タンパク質名						
145	prostatic binding protein; phosphatidylethanolamine	1.66E-10	4505621	2	2	2
146	phosphoglycerate kinase 1 [Homo sapiens]	7.80E-06	4505763	2	2	2
147	transketolase [Homo sapiens]	3.22E-05	4507521	2	2	2
148	biotinidase precursor [Homo sapiens]	4.83E-07	4557373	1	2	2
149	defensin, alpha 1 preproprotein; myeloid-related s	1.30E-04	4758146	1	2	2
150	dual specificity phosphatase 8; serine/threonine specific protein phosph	4.26E-05	4758212	1	2	2
151	golgi autoantigen, golgin subfamily b, macrogolin (with transmembrane	5.06E-04	4758454	1	2	2
152	growth factor receptor-bound protein 14 [Homo sapiens]	3.32E-03	4758478	1	2	2
153	nebulin [Homo sapiens]	5.35E-03	4758794	1	2	2
154	general transcription factor IIH, polypeptide 1 (62kD subunit) [Homo sa	5.41E-03	4885365	1	2	1
155	macrophage erythroblast attach; erythroblast macrophage protein [Homo	4.84E-03	5031685	1	2	1
156	galectin 3 binding protein; L3 antigen; Mac-2-bind	2.94E-09	5031863	1	2	2
157	elongation factor RNA polymerase II; ELL gene (11-	6.28E-03	5729812	1	2	2
158	chondromodulin I precursor; chondromodulin; BRICHOS	4.77E-05	5901932	1	2	2
159	coatamer protein complex, subunit gamma 2; coat pr	7.04E-04	6912320	1	2	2
160	WW domain binding protein 11; Npw38-binding protei	4.17E-03	7706501	1	2	2
161	H2A histone family, member A; histone H2AE [Homo	4.17E-04	10645195	1	2	2
162	retinosischisis (X-linked, juvenile) 1 [Homo sapiens	6.93E-09	10835083	1	2	2
163	metallothionein 1G [Homo sapiens]	6.02E-06	10835230	1	2	2
164	ubiquitin B precursor; polyubiquitin B [Homo sapie	1.49E-05	11024714	2	2	2
165	insulin-like growth factor binding protein 6 [Homo	5.48E-04	11321593	1	2	2
166	prosaposin (variant Gaucher disease and variant metachromatic leukodys	1.13E-04	11386147	1	2	2
167	kalikrein 14 preproprotein; kallikrein-like protein 6 [Homo sapiens]	3.26E-04	11545747	1	2	1
168	fibrinogen, alpha chain isoform alpha preproprotei	7.24E-08	11761629	5	2	2
169	dynein, axonemal, intermediate polypeptide 2; dyn	1.31E-03	12718866	1	2	2
170	mitogen-activated protein kinase associated prote	1.75E-03	13129138	1	2	2
171	alpha 1 type II collagen isoform 1; collagen II, a	4.47E-06	13435125	2	2	2
172	serum amyloid A2 [Homo sapiens]	2.77E-06	13540475	2	2	2
173	hypothetical protein MGC4308 [Homo sapiens]	7.51E-03	14150167	1	2	2

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		P (確率)	アクセッション番号	Id Pep	Id No on 19	Pat No
174	lacritin precursor [Homo sapiens]	6.51E-04	15187164	1	2	2
175	ankyrin repeat domain 30A; breast cancer antigen NY-BR-1 [Homo sapiens]	3.16E-03	16506285	1	2	2
176	ATPase, H+ transporting, lysosomal accessory prote	8.95E-10	17136148	1	2	2
177	keratin 4; Keratin-4; cytokeratin 4; keratin, typ	4.40E-05	17318574	1	2	2
178	tubulin, alpha 2 isoform 2 [Homo sapiens]	2.17E-06	17921991	1	2	2
179	vacuolar protein sorting 18 [Homo sapiens]	3.62E-03	17978485	1	2	2
180	vitronectin precursor; serum spreading factor; somatomedin B; compleme	4.77E-05	18201911	1	2	2
タンパク質名						
181	SH3-domain binding protein 2; Cherubism [Homo sap	1.87E-03	19923155	1	2	2
182	proprotein convertase subtilisin/kexin type 2; sub	1.13E-08	20336244	1	2	2
183	chondroitin sulfate proteoglycan 2 (versican) [Hom	1.19E-10	21361116	2	2	2
184	aldehyde dehydrogenase 1A1; aldehyde dehydrogenase	2.97E-07	21361176	3	2	1
185	tubulin, beta, 5 [Homo sapiens]	1.26E-12	21361322	1	2	2
186	Tax1 (human T-cell leukemia virus type I) binding protein 1; tax1-bind	1.14E-03	21361682	1	2	2
187	RIC3 protein [Homo sapiens]	5.90E-03	21362040	1	2	2
188	hypothetical protein MGC27016 [Homo sapiens]	1.48E-03	21450675	1	2	1
189	zinc finger protein 625 [Homo sapiens]	6.05E-03	21687161	1	2	1
190	tyrosine 3/tryptophan 5 -monooxygenase activation	5.63E-10	21735625	1	2	2
191	cathepsin B preproprotein; APP secretase; preproca	2.76E-05	22538431	1	2	2
192	spondin 1, extracellular matrix protein; spondin	2.44E-04	24307905	1	2	2
193	sperm associated antigen 6 isoform 2; sperm flagellar protein; axoneme	2.37E-04	27262641	2	2	1
194	SNF2 histone linker PHD RING helicase; 2610103K11	9.92E-04	27436873	1	2	2
195	palmitylated membrane protein 7 [Homo sapiens]	5.12E-03	27736101	1	2	2
196	eukaryotic translation initiation factor 2C, 3 isoform a; argonaute 3	3.35E-03	29294647	1	2	2
197	hypothetical protein LOC92912 [Homo sapiens]	2.50E-04	29789401	1	2	2
198	PDZ domain containing 3 isoform a; PDZ domain con	3.34E-05	30061507	1	2	2
199	testis-specific protein TSP-NY isoform a [Homo sapiens]	5.38E-03	30348972	1	2	2
200	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma; phosphatidyl	3.65E-03	31317309	1	2	2
201	polymeric immunoglobulin receptor; hepatocellular	6.87E-12	31377806	4	2	2
202	RNA-binding protein regulatory subunit; oncogene	5.62E-10	31543380	1	2	1
203	hypothetical protein FLJ38973 [Homo sapiens]	1.93E-03	31581541	1	2	2
204	Rho family guanine-nucleotide exchange factor [Ho	4.32E-03	31742505	1	2	2
205	cytosolic ovarian carcinoma antigen 1 isoform b; APK1 antigen [Homo sa	2.72E-03	32528291	1	2	2
206	PH domain-containing protein [Homo sapiens]	2.83E-04	33457316	1	2	2
207	frizzled-related protein; Fritz; Frzb-1; fre; friz	1.81E-03	38455388	1	2	2
208	serum amyloid A1 isoform 2; tumor protein p53 indu	6.88E-14	40316910	2	2	2

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		9.18E-06	41107445	1	2	1
		7.24E-06	41149700	1	2	2
		5.79E-04	41406086	1	2	2
		3.57E-03	42661664	1	2	2
		2.37E-03	42766422	1	2	2
		9.47E-07	44955885	1	2	2
		1.29E-03	45387953	1	2	1
		4.37E-05	46409508	1	2	2
	タンパク質名	アセシジョン番号	Id	Pep	Id No on 19	Pat No
209	PREDICTED: zinc finger, CCHC domain containing 11	2.30E-03	47078243	1	2	2
210	PREDICTED: similar to Phosphoglycerate mutase 1 (	2.73E-04	47106065	1	2	1
211	semaphorin 3D; collapsin 2 [Homo sapiens]	5.33E-03	51466239	1	2	2
212	PREDICTED: hypothetical protein XP_375631 [Homo sa	5.99E-03	51470915	1	2	1
213	similar to RIKEN cDNA 1110018M03 [Homo sapiens]	5.14E-03	51471105	1	2	2
214	myoglobin [Homo sapiens]	7.22E-04	51472707	1	2	2
215	hypothetical protein FLJ31322 [Homo sapiens]	9.52E-04	51472829	1	2	2
216	FLJ42220 protein [Homo sapiens]	2.97E-03	51474534	1	2	2
217	zinc finger, MYND domain containing 11 isoform b; adenovirus 5 E1a bin	1.37E-03	51475312	1	2	2
218	hypothetical protein LOC255189 [Homo sapiens]	7.55E-04	51492882	1	2	2
219	PREDICTED: similar to ribosomal protein L31 [Homo sapiens]	3.11E-03	4501853	1	1	1
220	PREDICTED: similar to Olfactory receptor 52L.1 [Homo sapiens]	4.23E-03	4501855	1	1	1
221	PREDICTED: similar to submaxillary apomucin [Homo	6.97E-03	4501871	1	1	1
222	PREDICTED: similar to hct domain and RLD 2 [Homo	5.09E-03	4501993	1	1	1
223	PREDICTED: hypothetical protein LOC146177 [Homo s	2.74E-09	4502153	2	1	1
224	PREDICTED: hypothetical protein XP_497598 [Homo s	5.32E-03	4502163	1	1	1
225	PREDICTED: hypothetical protein XP_498867 [Homo sapiens]	6.95E-03	4502451	1	1	1
226	PREDICTED: similar to Piccolo protein [Aczozoni] [Homo sapiens]	3.42E-09	4502493	1	1	1
227	acetyl-Coenzyme A acyltransferase 1; peroxisomal 3	9.84E-05	4502543	1	1	1
228	acetyl-Coenzyme A carboxylase beta [Homo sapiens]	4.02E-03	4502557	1	1	1
229	acyl-Coenzyme A oxidase 3, pristanoyl [Homo sapiens]	1.35E-03	4502595	1	1	1
230	alkylglycerone phosphate synthase precursor [Homo sapiens]	7.55E-07	4502807	1	1	1
231	apolipoprotein B precursor, apoB-100; apoB-48 [Hom	3.30E-03	4502823	1	1	1
232	apolipoprotein D precursor [Homo sapiens]	3.56E-03	4502873	1	1	1
233	breast cancer 2, early onset; Fanconi anemia, comp	3.41E-06	4503037	1	1	1
234	complement component 1, r subcomponent [Homo sapie	4.26E-09	4503117	1	1	1
235	calbindin 2 full length protein isoform; calbindin	7.51E-05	4503179	1	1	1
236	calcium/calmodulin-dependent protein kinase IV; br	5.05E-03	4503323	1	1	1
237	corticosteroid binding globulin precursor; corticosteroid binding globu					
238	chromogranin B precursor; Chromogranin B (secretog					
239	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal) [Homo s					
240	chloride channel 6 isoform ClC-6a [Homo sapiens]					
241	cellular repressor of E1A-stimulated genes [Homo sa					
242	cystatin B; stefin B; liver thiol proteinase inhib					
243	oral-facial-digital syndrome 1; chromosome X open					
244	dihydrofolate reductase [Homo sapiens]					

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【表 3 - 8】

		P (確率)	アクセッション番号	Id Pep	Id No on 19	Pat No
245	dihydropyrimidinase-like 2; collapsin response medi	2.11E-03	4503377	1	1	1
246	early growth response 1; nerve growth factor-induc	9.73E-03	4503493	1	1	1
247	enclase 1; MYC promoter-binding protein 1; non-neu	2.01E-04	4503571	1	1	1
248	coagulation factor XII precursor; Hageman factor [Homo sapiens]	4.68E-03	4503629	1	1	1
249	GDP dissociation inhibitor 1; mental retardation,	2.24E-09	4503971	1	1	1
250	glutaredoxin (thioltransferase) [Homo sapiens]	3.18E-05	4504025	1	1	1
251	gelsolin isoform a [Homo sapiens]	7.98E-03	4504165	1	1	1
252	general transcription factor IIE, polypeptide 2, b	7.03E-06	4504195	1	1	1
タンパク質名						
253	delta globin [Homo sapiens]	4.67E-03	4504351	1	1	1
254	complement factor H; H factor-1 (complement), fact	2.72E-06	4504375	1	1	1
255	interleukin 10 receptor, alpha precursor [Homo sapiens]	4.94E-03	4504633	1	1	1
256	interleukin 13 receptor, alpha 1 precursor; IL13 receptor alpha-1 chain	6.69E-03	4504647	1	1	1
257	inter-alpha (globulin) inhibitor H2; inter-alpha (	2.91E-03	4504783	1	1	1
258	lactate dehydrogenase C [Homo sapiens]	1.45E-07	4504973	1	1	1
259	lumican [Homo sapiens]	1.40E-04	4505047	1	1	1
260	phospholipase C, gamma 2 (phosphatidylinositol-spe	9.89E-03	4505871	1	1	1
261	protein kinase C substrate 80K-H; glucosidase II,	9.04E-03	4506077	1	1	1
262	pleiotrophin; heparin affin regulatory protein; hep	4.01E-05	4506281	1	1	1
263	RAN binding protein 3 isoform RANBP3-a; RAN-bindin	1.69E-03	4506409	1	1	1
264	retinaldehyde binding protein 1; Newfoundland rod-c	1.07E-08	4506541	1	1	1
265	ribosomal protein S4, Y-linked 1 Y isoform; 40S ribosomal protein S4, Y	8.87E-05	4506727	1	1	1
266	ryanodine receptor 2 [Homo sapiens]	9.67E-03	4506757	1	1	1
267	secretory leukocyte protease inhibitor precursor; W	4.40E-03	4507065	1	1	1
268	synuclein, gamma (breast cancer-specific protein 1)	1.25E-03	4507113	1	1	1
269	superoxide dismutase 3, extracellular [Homo sapien	3.79E-05	4507151	1	1	1
270	SRY (sex determining region Y)-box 4; SRY-related HMG-box gene 4; ecotr	5.28E-03	4507163	1	1	1
271	thyrotrophic embryonic factor; thyrotroph embryonic factor [Homo sapien	9.22E-03	4507431	1	1	1
272	tirosophosphate isomerase 1 [Homo sapiens]	3.41E-07	4507645	1	1	1
273	transformation/transcription domain-associated pro	3.71E-03	4507691	1	1	1
274	vimentin [Homo sapiens]	6.52E-08	4507895	3	1	1
275	apolipoprotein C-III precursor [Homo sapiens]	1.13E-04	4557323	1	1	1
276	B-cell lymphoma protein 2 beta isoform [Homo sapie	2.71E-03	4557357	1	1	1
277	cystathionine-beta-synthase; serine sulphydrase; be	6.11E-03	4557415	1	1	1
278	CD14 antigen precursor [Homo sapiens]	2.50E-04	4557417	1	1	1
279	down-regulated in adenoma protein; down-regulated	9.52E-03	4557535	1	1	1
280	fatty acid binding protein 1, liver; Fatty acid-bin	1.51E-05	4557577	1	1	1

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		P (確率)	アウセクション番号	Id Pep	Id No on 19	Pat No
281	fatty acid binding protein 5 (psoriasis-associated)	8.62E-03	4557581	1	1	1
282	galactosylceramidase precursor; galactocerebrosidase; Galactosylceramin	4.63E-04	4557613	1	1	1
283	potassium voltage-gated channel, shaker-related subfamily, member 1 [Ho	2.42E-03	4557685	1	1	1
284	keratin 9 [Homo sapiens]	1.89E-14	4557705	2	1	1
285	myosin light chain 2 [Homo sapiens]	5.53E-03	4557775	1	1	1
286	propionyl-Coenzyme A carboxylase, alpha polypeptid	8.42E-04	4557833	1	1	1
287	general transcription factor IIIC, polypeptide 1, alpha 220kDa; general	9.27E-03	4753161	1	1	1
288	chimerin (chimaerin) 2; Chimerin 2 (GTPase-activating protein, rho, 3);	5.26E-03	4757980	1	1	1
タンパク質名						
289	coatamer protein complex, subunit beta 2 (beta pri	8.85E-03	4758032	1	1	1
290	cellular retinoic acid binding protein 1; cellular	1.25E-07	4758052	2	1	1
291	doublecortin and CaM kinase-like 1; doublecortin-1	9.42E-03	4758128	1	1	1
292	desmoplakin; desmoplakin (DPI, DPII) [Homo sapiens]	1.81E-03	4758200	1	1	1
293	cadherin 15 preprotein; M-cadherin; muscle-cadherin; myotubule-cadhe	4.15E-03	4826669	1	1	1
294	fragile X mental retardation-related protein 1; Fragile X mental retard	3.60E-03	4826736	1	1	1
295	insulin; insulinase [Homo sapiens]	1.00E-02	4826770	1	1	1
296	serine (or cysteine) proteinase inhibitor, clade I	1.14E-03	4826904	1	1	1
297	aldolase C, fructose-bisphosphate; Aldolase C, fruc	1.31E-05	4885063	1	1	1
298	crystallin, gamma B; crystallin, gamma 1-2 [Homo sa	9.04E-06	4885157	1	1	1
299	A-kinase anchor protein 8; A-kinase anchor protein, 95kDa [Homo sapiens]	9.80E-03	5031579	1	1	1
300	mitochondrial ribosomal protein S31; imogen 38 [Ho	8.84E-03	5031787	1	1	1
301	lactate dehydrogenase A [Homo sapiens]	2.98E-03	5031857	1	1	1
302	LIM domain kinase 2 isoform 2a [Homo sapiens]	8.54E-03	5031869	1	1	1
303	milk fat globule-EGF factor 8 protein; lactadherin	4.40E-04	5174557	1	1	1
304	polycystic kidney disease and receptor for egg fel	9.42E-03	5174633	1	1	1
305	metallothionein 3 [Homo sapiens]	7.43E-04	5174762	1	1	1
306	ADP-ribosylation factor guanine nucleotide-exchange factor 2; brefeldin	8.25E-03	5453573	1	1	1
307	structural maintenance of chromosomes 2-like 1; structural maintenance	2.58E-03	5453591	1	1	1
308	polymerase (DNA directed), delta 2, regulatory subunit; polymerase (DNA	9.06E-03	5453924	1	1	1
309	translocase of inner mitochondrial membrane 23 (yeast) homolog; translo	5.15E-03	5454122	1	1	1
310	beta-1,3-N-acetylglucosaminyltransferase bGnT-6; i	1.65E-03	5802984	1	1	1
311	enolase 2; neuron-specific enolase; neuron specifi	3.25E-03	5803011	1	1	1
312	transaldolase 1; glyceraldehyde 3-phosphate dehydroxya	5.62E-03	5803187	1	1	1
313	folliculin-like 1 precursor; follistatin-related p	3.56E-03	5801966	1	1	1
314	polypeptide N-acetylgalactosaminyltransferase 6; Ga	6.69E-03	6005766	1	1	1
315	proline rich 4 (lacimal); lacimal proline rich pr	2.37E-10	6005802	1	1	1
316	RAN binding protein 2; nucleoporin 358; nuclear po	1.51E-03	6382079	1	1	1

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		P (確率)	アクセッション番号	Id Pep	Id No on 19	Pat No
317	golgi autoantigen, golgin subfamily a, 4; golgin-2	2.90E-03	6715600	1	1	1
318	low density lipoprotein-related protein 2; megalin	3.07E-04	6806919	1	1	1
319	general transcription factor IIIC, polypeptide 3,	6.08E-03	6912398	1	1	1
320	rearranged L-myc fusion sequence; Zn-15 related [Homo sapiens]	8.08E-03	6912632	1	1	1
321	T-box 21; T-box expressed in T cells; T-cell-specific T-box transcript	2.05E-03	7019549	1	1	1
322	heparan sulfate proteoglycan 2; heparan sulfate pr	3.21E-07	7427517	1	1	1
323	golgi phosphoprotein 4; type II Golgi membrane prot	3.82E-03	7657138	1	1	1
324	MYB binding protein 1a; p53-activated protein-2 [Homo sapiens]	6.25E-03	7657351	1	1	1
タンパク質名						
325	sushi-repeat-containing protein, X-linked 2; sushi	4.60E-04	7657619	1	1	1
326	SH2 domain binding protein 1; TPR-containing, SH2-	4.93E-03	7661950	1	1	1
327	sparc/osteonectin, cwcv and kazal-like domains prot	8.35E-04	7662036	1	1	1
328	hepatoma-derived growth factor, related protein 3; hepatoma-derived gro	3.24E-03	7705320	1	1	1
329	F-box protein 40; muscle disease-related protein [H	3.51E-04	7706493	1	1	1
330	interphotoreceptor matrix proteoglycan 2; interpho	2.29E-03	7706717	1	1	1
331	TUJ2B1-TV protein [Homo sapiens]	1.82E-03	7706749	1	1	1
332	foli-like receptor 9 isoform A precursor [Homo sap	5.19E-03	8394456	1	1	1
333	hypothetical protein DKFZp434H2215 [Homo sapiens]	1.96E-03	8822138	1	1	1
334	mbt domain containing 1 [Homo sapiens]	7.70E-03	8923059	1	1	1
335	ankyrin repeat and SOCS box-containing 6 isoform 1 [Homo sapiens]	2.02E-03	8923516	1	1	1
336	hypothetical protein FLJ20574 [Homo sapiens]	3.10E-04	8923539	1	1	1
337	hypothetical protein FLJ20626 [Homo sapiens]	3.88E-03	8923582	1	1	1
338	ubiquitin 1 [Homo sapiens]	4.83E-03	9055374	1	1	1
339	DC12 protein [Homo sapiens]	3.52E-03	9910182	1	1	1
340	DC13 protein [Homo sapiens]	3.77E-03	9910184	1	1	1
341	S-adenosylhomocysteine hydrolase; adenosylhomocyst	9.58E-03	9951915	1	1	1
342	putative 28 kDa protein [Homo sapiens]	7.35E-04	10047140	1	1	1
343	sodium channel, voltage-gated, type II, alpha 2; s	2.80E-03	10337597	1	1	1
344	nitric oxide synthase 1 (neuronal) [Homo sapiens]	3.81E-03	10835173	1	1	1
345	mitogen-activated protein kinase-activated protei	3.28E-03	10863901	1	1	1
346	tumor necrosis factor, alpha-induced protein 1 [Homo sapiens]	5.50E-03	10863937	1	1	1
347	tuberos sclerosis 2 isoform 2; tuberin isoform 1; tuberin isoform 2;	2.95E-04	10938008	1	1	1
348	ATP-binding cassette, sub-family F, member 1; ATP-binding cassette 50;	6.21E-03	10947135	1	1	1
349	meningioma expressed antigen 5 (hyaluronidase); hy	8.71E-03	11024698	1	1	1
350	guanine nucleotide-binding protein, beta-4 subuni	4.03E-04	11055988	1	1	1
351	brionodomain containing protein 3; open reading fr	2.19E-03	11067749	1	1	1
352	transforming, acidic coiled-coil containing prote	9.91E-03	11119414	1	1	1

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		P (確率)	Id Pep	Id No on 19	Pat No
	タンパク質名				
353	protocadherin gamma subfamily B, 2 isoform 1 prec	5.25E-04	11128035	1	1
354	potassium channel, subfamily K, member 12; tandem pore domain potassiu	4.26E-04	11545761	1	1
355	protease, serine, 22; protease, serine S1 family member 22; trypsin e	5.01E-03	11545839	1	1
356	zinc finger protein 335; zinc-finger/leucine-zipp	1.73E-03	11560152	1	1
357	fibrinogen, beta chain preproprotein [Homo sapiens]	2.19E-06	11761631	2	1
358	SH3 and multiple ankyrin repeat domains 1; somatostatin receptor-inter	8.27E-04	11988152	1	1
359	phosphoinositide-specific phospholipase C beta 1	4.07E-03	12083581	1	1
360	hypothetical protein FLJ13668 [Homo sapiens]	5.97E-03	12232403	1	1
	タンパク質名		アクセッション番号		
361	hypothetical protein FLJ12998 [Homo sapiens]	1.16E-03	12232437	1	1
362	solute carrier family 39 (zinc transporter), member 6; LIV-1 protein,	3.83E-03	12751475	1	1
363	hypothetical protein CG003 [Homo sapiens]	7.59E-03	12957488	1	1
364	DNA methyltransferase 1-associated protein 1 [Homo sapiens]	4.88E-03	13123776	1	1
365	core-binding factor, beta subunit isoform 2; SL3f	6.19E-04	13124673	1	1
366	betaine-homocysteine methyltransferase 2 [Homo sapiens]	9.24E-03	13162290	1	1
367	hypothetical protein FLJ12875 [Homo sapiens]	3.42E-03	13375705	1	1
368	tubulin, alpha 4 [Homo sapiens]	6.95E-05	13376539	1	1
369	hypothetical protein FLJ21477 [Homo sapiens]	4.46E-03	13376749	1	1
370	serine (or cysteine) proteinase inhibitor, clade	2.37E-03	13489087	1	1
371	integrin-linked kinase-associated protein phosphat	9.52E-03	13540531	1	1
372	testis expressed sequence 13A [Homo sapiens]	4.80E-03	13775180	1	1
373	Rho GTPase activating protein 24 [Homo sapiens]	2.35E-03	13775230	1	1
374	hypothetical protein DKFZp434H0115 [Homo sapiens]	7.76E-04	13899233	1	1
375	mitochondrial ribosomal protein L32 [Homo sapiens]	5.55E-03	13994261	1	1
376	spermiogenesis associated serine/threonine kinase	8.60E-03	14042947	1	1
377	coiled-coil domain containing 8 [Homo sapiens]	5.64E-03	14042972	1	1
378	heterogeneous nuclear ribonucleoprotein A1 isoform	3.75E-07	14043070	1	1
379	heterogeneous nuclear ribonucleoprotein A2/B1 iso	6.82E-06	14043072	1	1
380	heterogeneous nuclear ribonucleoprotein C isoform	1.55E-04	14110428	1	1
381	stromal cell-derived factor 2 precursor [Homo sapiens]	1.79E-03	14141195	1	1
382	latrophilin 3; latrophilin homolog 3 (cow); lectomedin 3 [Homo sapiens]	9.52E-03	14149677	1	1
383	hypothetical protein DKFZp564J047 [Homo sapiens]	8.44E-03	14149781	1	1
384	solute carrier family 37 (glycerol-3-phosphate tra	5.94E-04	14150047	1	1
385	hypothetical protein MGC10854 [Homo sapiens]	6.28E-03	14150056	1	1
386	heterogeneous nuclear ribonucleoprotein K isoform	2.08E-05	14165435	1	1
387	hypothetical protein MGC10882 [Homo sapiens]	6.22E-05	14248240	1	1
388	intermedin 3; intermedin 3 (cow); intermedin 3 [Homo sapiens]	3.10E-06	14249342	1	1

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		P (確率)	アクセション番号	Id	Pep	Id	No on 19	Pat No
389	hypothetical protein FLJ14768 [Homo sapiens]	5.53E-03	14249548	1			1	1
390	postreplication repair protein hRAD18p; RAD18, S. cerevisiae, homolog	2.76E-03	14550405	1			1	1
391	complement component 2 precursor; C3/C5 convertase [Homo sapiens]	8.23E-04	14550407	1			1	1
392	cadherin 2, type 1 preproprotein; cadherin 2, N-c	5.73E-05	14589889	1			1	1
393	centromere protein F (350/400kD); centromere prot	9.77E-03	14670381	1			1	1
394	TATA box-binding protein-associated factor 2F; TA	1.97E-04	14717407	1			1	1
395	collagen, type VI, alpha 1 precursor; collagen VI	1.85E-05	15011913	1			1	1
396	brain expressed, X-linked 1; uncharacterized hypo	6.54E-04	15147228	1			1	1
タンパク質名								
397	keratin, hair, basic, 4; hard keratin, type II, 4	2.14E-03	15431316	1			1	1
398	keratin 6 rs [Homo sapiens]	1.43E-05	15618995	1			1	1
399	vacuolar protein sorting 13A isoform B; chorein;	3.86E-03	15619008	1			1	1
400	E1A binding protein p400; CAGH32 protein; trinucleotide repeat contain	4.47E-03	15805014	1			1	1
401	cadherin 10, type 2 preproprotein; cadherin-10; T2-cadherin [Homo sapi	9.94E-03	16306530	1			1	1
402	cadherin 11, type 2 isoform 1 preproprotein; oste	6.03E-03	16306532	1			1	1
403	USH3A protein isoform c; clarin-1 [Homo sapiens]	6.20E-03	16506281	1			1	1
404	ubiquitin specific protease 28 [Homo sapiens]	8.91E-03	16507200	1			1	1
405	tailin 1 [Homo sapiens]	6.05E-03	16753233	1			1	1
406	fibronectin 1 isoform 3 preproprotein; cold-insol	2.17E-03	16933542	1			1	1
407	VEGF nerve growth factor inducible precursor; neuro	8.47E-03	17136078	1			1	1
408	keratin 1; Keratin-1; cytokeratin 1; hair alpha pr	5.28E-05	17318569	2			1	1
409	PREDICTED: KIAA0767 protein [Homo sapiens]	8.86E-03	17485400	1			1	1
410	vacuolar protein sorting 35; maternal-embryonic 3; vacuolar protein so	4.10E-03	17999541	1			1	1
411	protein tyrosine phosphatase, non-receptor type 3	7.93E-03	18104986	1			1	1
412	GRB2-associated binding protein 2 isoform a; Grb2	3.47E-05	18105042	1			1	1
413	PREDICTED: similar to synaptotagmin-like protein	8.42E-03	18562480	1			1	1
414	alpha 1 type XV collagen precursor; collagen XV,	1.61E-03	18641350	1			1	1
415	synaptosomal-associated protein 25 isoform SNAP25A	8.87E-03	18765733	1			1	1
416	protein tyrosine phosphatase, receptor type, K pr	1.04E-03	18860902	1			1	1
417	RAC/CDC42 exchange factor isoform 2 [Homo sapiens]	4.60E-03	19311008	1			1	1
418	actin related protein M1 [Homo sapiens]	9.72E-03	19549325	1			1	1
419	oxysterol-binding protein-like 1A isoform B; oxys	8.02E-03	19718741	1			1	1
420	solute carrier family 4, sodium bicarbonate cotra	1.33E-03	19923176	1			1	1
421	Jumonji, AT rich interactive domain 1B (RBP2-like	3.81E-03	19923370	2			1	1
422	adenylate kinase 3 alpha like; adenylate kinase 6	8.35E-03	19923437	1			1	1
423	SLAM family member 7; CD2-like receptor activating cytotoxic cells; 19	5.67E-03	19923572	1			1	1
424	hypothetical protein BC008207 [Homo sapiens]	5.13E-03	19923911	1			1	1

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		P (健康)	Id Pep	No on 19	Pat No
425	hypothetical protein BC011981 [Homo sapiens]	6.90E-03	19923935	1	1
426	TBP-associated factor 9L; neuronal cell death-rel	6.83E-03	20070280	1	1
427	numb homolog; numb (Drosophila) homolog [Homo sapiens]	4.19E-03	20070356	1	1
428	toll-like receptor 8 isoform 1 [Homo sapiens]	2.90E-03	20302166	1	1
429	ataxia telangiectasia mutated protein isoform 1;	8.37E-03	20336203	1	1
430	proprotein convertase subtilisin/kexin type 5 preproprotein; protease	1.54E-04	20336246	1	1
431	DEAH (Asp-Glu-Ala-His) box polypeptide 30 isoform	3.17E-03	20336290	1	1
432	PREDICTED: KIAA1604 protein [Homo sapiens]	8.01E-04	20536216	1	1
	タンパク質名		アクセッション番号		
433	PREDICTED: PTPRF interacting protein, binding pro	7.54E-03	20561108	1	1
434	mitogen-activated protein kinase 10 isoform 3; MAP kinase; JNK3 alpha	7.21E-03	20986506	1	1
435	Kruppel-like factor 12 isoform a; KLF12 zinc fing	4.42E-04	21071074	1	1
436	testis nuclear RNA-binding protein [Homo sapiens]	5.72E-03	21245124	1	1
437	T-cell activation kelch repeat protein [Homo sapiens]	5.41E-03	21245132	1	1
438	ubiquitin carboxyl-terminal esterase L1 (ubiquiti	1.47E-04	21361091	1	1
439	enhancer of zeste 2 isoform a; enhancer of zeste	8.14E-04	21361095	1	1
440	four and a half LIM domains 1; Four-and-a-half LI	2.85E-03	21361122	1	1
441	CTP:phosphocholine cytidylyltransferase b [Homo s	8.34E-03	21361202	1	1
442	brain glycogen phosphorylase; glycogen phosphoryl	1.32E-03	21361370	1	1
443	BPY2 interacting protein 1; chromosome 19 open re	3.61E-03	21361668	1	1
444	transient receptor potential cation channel, subfamily M, member 8 [Ho	3.58E-04	21361691	1	1
445	PAP associated domain containing 1 [Homo sapiens]	4.68E-04	21361704	1	1
446	hypothetical protein FLJ10350 [Homo sapiens]	1.61E-04	21361781	1	1
447	DnaJ (Hsp40) homolog, subfamily C, member 1 [Homo sapiens]	3.37E-03	21361912	1	1
448	T-cell immunomodulatory protein [Homo sapiens]	2.47E-05	21361933	1	1
449	chromosome 10 open reading frame 87; EmAC061711.1 [Homo sapiens]	4.19E-03	21389373	1	1
450	protease, serine, 15; Lon protease-like protein;	9.76E-03	21396489	1	1
451	immunoglobulin J chain [Homo sapiens]	2.74E-06	21489959	1	1
452	fornyltetrahydrofolate dehydrogenase isoform a [H	1.91E-03	21614513	1	1
453	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminylt	3.79E-03	21686971	1	1
454	similar to hypothetical protein FLJ13659 [Homo sa	9.12E-03	21687266	1	1
455	lipoyltransferase 1 [Homo sapiens]	4.13E-03	21729878	1	1
456	siderick 2; Drosophila siderick-like; chicken sid	8.27E-03	21735577	1	1
457	PREDICTED: KIAA0882 protein [Homo sapiens]	8.39E-04	22042713	1	1
458	PREDICTED: folistatin-like 4 [Homo sapiens]	5.31E-03	22049346	1	1
459	NFAT activation molecule 1 precursor, calcinein/	2.68E-03	22095335	1	1
460	ankyrin repeat and SOCS box-containing protein 12	1.55E-04	22208955	2	1

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【表 3 - 1 4】

		P (確率)	アクセッション番号	Id Pep	Id No on 19	Pat No
461	A-kinase anchor protein 9 isoform 2; A-kinase anc	7.07E-03	22538387	1	1	1
462	hypothetical protein DKFZp547B1713 [Homo sapiens]	4.35E-03	22748815	1	1	1
463	hypothetical protein FLJ35725 [Homo sapiens]	2.51E-03	22749135	1	1	1
464	zinc finger protein 553 [Homo sapiens]	8.94E-03	22749325	1	1	1
465	hypothetical protein FLJ25369 [Homo sapiens]	1.38E-04	22749357	1	1	1
466	aldehyde dehydrogenase 3 family, member A1; aldehy	3.34E-03	22807049	1	1	1
467	glutathione S-transferase M1 isoform 1; HB subuni	2.98E-03	23065544	1	1	1
468	elongation of very long chain fatty acids like 3 [Homo sapiens]	1.06E-03	23097310	1	1	1
タンパク質名						
469	hypothetical protein FLJ37440 [Homo sapiens]	9.41E-03	23397471	1	1	1
470	vitellogenesis macular dystrophy 2-like 2; bestrophin 4 [Homo sapiens]	6.11E-03	23397576	1	1	1
471	GREB1 protein isoform a; gene regulated by estrogen	3.50E-03	23397642	1	1	1
472	mirror-image polydactyl 1; mirror-image polydact	9.72E-03	23503325	1	1	1
473	heat shock 70kDa protein 8 isoform 2; heat shock c	4.84E-03	24234686	1	1	1
474	cytoplasmic FMR1 interacting protein 1; selective hybridizing clone (m	1.25E-03	24307969	1	1	1
475	serine/threonine kinase 36 (fused homolog, Drosophila); serine/threoni	2.26E-03	24308123	1	1	1
476	similar to hypothetical protein FLJ10883 [Homo sa	2.09E-03	24308386	1	1	1
477	MDN1, midasin homolog [Homo sapiens]	5.39E-03	24415404	1	1	1
478	steroid dehydrogenase-like [Homo sapiens]	2.41E-03	24432037	1	1	1
479	homeobox protein A5; homeobox protein HOXA5; home	2.18E-03	24497517	1	1	1
480	homeobox protein A10 isoform b; homeobox protein H	2.19E-03	24497551	1	1	1
481	aldo-keto reductase family 1, member C3; hydroxys	1.28E-03	24497583	1	1	1
482	myosin IIIA; deafness, autosomal recessive 30 [Homo sapiens]	9.51E-04	24586657	1	1	1
483	Y chromosome chromodomain protein 1 isoform a; te	3.74E-03	25453481	1	1	1
484	chromosome 19 open reading frame 21 [Homo sapiens]	9.72E-03	27735067	1	1	1
485	membrane associated guanylate kinase interacting protein-like 1 [Homo	9.00E-03	27735139	1	1	1
486	chromosome 14 open reading frame 8; p25 beta [Homo sapiens]	8.89E-03	27777659	1	1	1
487	nuclear receptor subfamily 4, group A, member 3 is	6.11E-03	27894355	1	1	1
488	notch4 preproprotein; Notch (Drosophila) homolog 4 [Homo sapiens]	5.09E-04	27894370	1	1	1
489	cell adhesion molecule with homology to L1CAM pre	2.86E-03	27894376	1	1	1
490	zinc finger protein 545 [Homo sapiens]	5.96E-03	28274686	1	1	1
491	A-gamma globin; hemoglobin gamma-a chain; Hemoglo	4.02E-05	28302131	2	1	1
492	cell cycle progression 1; cell cycle progression	7.84E-03	28395035	1	1	1
493	Bardet-Biedl syndrome 1 [Homo sapiens]	2.36E-03	28395045	1	1	1
494	KIAA1404 protein [Homo sapiens]	3.58E-03	28626521	1	1	1
495	zinc finger, CW-type with coiled-coil domain 3; n	9.24E-03	28872812	1	1	1
496	TR4 orphan receptor associated protein TRA16; rep	5.65E-03	28882043	1	1	1

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【表 3 - 1 5】

		P (確率)	アクセッション番号	Id	Pep	Id	No on 19	Pat No
	タンパク質名							
497	PREDICTED: similar to Tetra tricopeptide repeat pr	3.15E-03	29735853	1	1	1	1	1
498	PREDICTED: huntingtin interacting protein-1-relat	3.98E-03	29744338	1	1	1	1	1
499	H63 breast cancer expressed gene isoform a; gene associated with HER-2	1.59E-03	29826289	1	1	1	1	1
500	hypothetical protein FLJ40125 [Homo sapiens]	5.33E-03	30425418	1	1	1	1	1
501	neurologin 2 [Homo sapiens]	4.50E-03	30840978	1	1	1	1	1
502	family with sequence similarity 29, member A [Homo sapiens]	1.71E-04	31377562	1	1	1	1	1
503	zinc finger protein 606 [Homo sapiens]	9.52E-04	31377839	1	1	1	1	1
504	heat shock protein apg-1 [Homo sapiens]	4.66E-04	31541941	1	1	1	1	1
505	inter-alpha (globulin) inhibitor H4 (plasma Kall	1.48E-08	31542984	2	1	1	1	1
506	hypothetical protein MGC5601; similar to acyl-CoA dehydrogenase [Homo	5.87E-04	31543201	1	1	1	1	1
507	phosphoglycerate kinase 2; phosphoglycerate kinas	1.23E-06	31543397	1	1	1	1	1
508	cutaneous T-cell lymphoma tumor antigen se70-2 [H	5.02E-03	31652264	1	1	1	1	1
509	hypothetical protein LOC200186 [Homo sapiens]	5.40E-03	32171215	1	1	1	1	1
510	Ral GEF with PH domain and SH3 binding motif 2; Ral-A exchange factor	3.25E-03	32441283	1	1	1	1	1
511	peroxiredoxin 3 isoform b; antioxidant protein 1; thioredoxin-dependen	9.08E-03	32483377	1	1	1	1	1
512	cytosolic phosphoenolpyruvate carboxykinase 1; phosphoenolpyruvate car	4.79E-03	32483401	1	1	1	1	1
513	HECT domain containing 1 [Homo sapiens]	2.40E-03	32698702	1	1	1	1	1
514	cardiomyopathy associated 5; 2310076E16Rik [Homo sapiens]	8.25E-03	32698780	1	1	1	1	1
515	bromodomain adjacent to zinc finger domain, 1A isoform a; ATP-dependen	1.48E-03	32967603	1	1	1	1	1
516	TUDOR gene similar [Homo sapiens]	7.14E-03	32996737	1	1	1	1	1
517	glycosyltransferase-like 1B; ortholog of mouse glycosyltransferase-lik	9.33E-03	33285008	1	1	1	1	1
518	biliverdin reductase A [Homo sapiens]	1.86E-03	33588854	1	1	1	1	1
519	phospholipase C gamma 1 isoform b; phospholipase	3.00E-03	33598946	1	1	1	1	1
520	LIM domain only 7; LOMP protein; zinc-finger doma	1.21E-03	33598968	1	1	1	1	1
521	a disintegrin and metalloproteinase with thrombos	2.96E-03	33624885	1	1	1	1	1
522	transmembrane channel-like 7 [Homo sapiens]	5.84E-03	33636691	1	1	1	1	1
523	hypothetical protein MGC35261 [Homo sapiens]	1.07E-03	33859793	1	1	1	1	1
524	kelch-like 8 [Homo sapiens]	2.43E-03	34101268	1	1	1	1	1
525	hypothetical protein MGC20781 [Homo sapiens]	4.52E-03	34147472	1	1	1	1	1
526	zinc finger protein 135 (clone pHZ-17); zinc finger protein 61 [Homo s	8.75E-03	34419633	1	1	1	1	1
527	alcohol dehydrogenase 1B (class I), beta polypept	6.39E-06	34577061	1	1	1	1	1
528	fibulin 1 isoform C precursor [Homo sapiens]	4.72E-06	34734062	1	1	1	1	1
529	ubiquitin specific protease 36 [Homo sapiens]	6.71E-04	35250686	1	1	1	1	1
530	nudix (nucleoside diphosphate linked moiety X)-type motif 11 [Homo sap	4.64E-03	37221177	1	1	1	1	1
531	sodium-dependent organic anion transporter [Homo sapiens]	6.81E-05	37537552	1	1	1	1	1
532	PREDICTED: intracellular membrane-associated calc	1.19E-03	37538661	1	1	1	1	1

【表 3 - 1 6】

		5.26E-03	37539465	1	1	1
		4.97E-03	37556081	1	1	1
		5.44E-03	37620159	1	1	1
		6.81E-03	37620171	1	1	1
		3.24E-03	38016202	1	1	1
		8.29E-03	38044110	1	1	1
		8.40E-03	38045940	1	1	1
		4.14E-03	38049007	1	1	1
		P (確率)	アセツション番号	Id Pep	Id No on 19	Pat No
533	PREDICTED: similar to pMesogenin1 [Homo sapiens]					
534	PREDICTED: similar to RIKEN cDNA 2210009G21 [Homo sapiens]					
535	KIAA0625 protein [Homo sapiens]					
536	AT-hook transcription factor; AT-hook transcript					
537	SATB family member 2; two cut domains-containing					
538	similar to golgi autoantigen, golgin subfamily a,					
539	ing finger protein 31 [Homo sapiens]					
540	sister-of-mammalian grainyhead protein isoform 1;					
	タンパク質名					
541	SET and MYND domain containing 1; CD8 beta opposi	2.46E-03	38093643	1	1	1
542	UNC13 (C. elegans)-like; homolog of rat Munc13 (d	6.80E-03	38176154	1	1	1
543	kelch-like 17; actinfilin [Homo sapiens]	8.92E-03	38194229	1	1	1
544	rotatin [Homo sapiens]	1.91E-03	38201696	1	1	1
545	hypothetical protein FLJ12178 [Homo sapiens]	2.93E-03	38202219	1	1	1
546	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18; Myc-re	6.32E-03	38327634	1	1	1
547	FLJ46072 protein [Homo sapiens]	7.24E-03	38348290	1	1	1
548	FLJ46156 protein [Homo sapiens]	1.33E-03	38348312	1	1	1
549	inter-alpha (globulin) inhibitor H5-like; ITI-lik	4.05E-03	38348336	1	1	1
550	LOC161577 protein [Homo sapiens]	4.15E-03	38348356	1	1	1
551	lipocalin 2 (oncogene 24p3) [Homo sapiens]	2.38E-11	38455402	3	1	1
552	hypothetical protein LOC168850 [Homo sapiens]	6.17E-03	39753953	1	1	1
553	KIAA0052 [Homo sapiens]	1.24E-05	39930353	1	1	1
554	hypothetical protein BC013767 [Homo sapiens]	8.80E-10	39930521	1	1	1
555	KIAA1033 protein [Homo sapiens]	6.37E-03	40018629	1	1	1
556	formin-like 3 isoform 1; WW domain binding protei	1.28E-03	40217839	1	1	1
557	heat shock 90kDa protein 1, alpha; heat shock 90k	2.15E-05	40254816	1	1	1
558	hypothetical protein FLJ10706 [Homo sapiens]	7.51E-03	40254931	1	1	1
559	zinc finger protein 295 [Homo sapiens]	8.35E-03	40254945	1	1	1
560	hypothetical protein FLJ21019 [Homo sapiens]	7.94E-03	40255047	1	1	1
561	hypothetical protein MGC34732 [Homo sapiens]	9.92E-05	40255180	1	1	1
562	retinitis pigmentosa 1-like 1 [Homo sapiens]	5.54E-03	40255278	1	1	1
563	thrombospondin 2 precursor [Homo sapiens]	6.85E-03	40317628	1	1	1
564	PREDICTED: similar to Triosephosphate isomerase (T	1.24E-05	41058276	1	1	1
565	PREDICTED: TBP-interacting protein [Homo sapiens]	6.46E-03	41144277	1	1	1
566	PREDICTED: hypothetical protein LOC285335 [Homo sapiens]	2.58E-03	41146536	1	1	1
567	PREDICTED: hypothetical protein XP_370638 [Homo s	3.28E-03	41149556	1	1	1
568	PREDICTED: similar to serologically defined colon	4.05E-03	41150943	1	1	1

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	タンパク質名	P (確率)	アクセッション番号	id Pep	id No on 19	Pat No
569	PREDICTED: agrin [Homo sapiens]	6.20E-04	41151826	1	1	1
570	U5 snRNP-specific protein, 116 kD [Homo sapiens]	1.88E-03	41152056	1	1	1
571	PREDICTED: KIAA1549 protein [Homo sapiens]	8.65E-03	41199251	1	1	1
572	neuronal cell adhesion molecule; Bravo [Homo sapie	5.84E-07	41281389	1	1	1
573	impotin 13; Ran binding protein 13; karyopherin 13 [Homo sapiens]	1.49E-04	41281425	1	1	1
574	KIAA0433 protein [Homo sapiens]	2.12E-03	41281583	1	1	1
575	crumbs homolog 1 isoform II precursor; crumbs (Dr	2.45E-03	41327708	1	1	1
576	ATPase, Class II, type 9B; ATPase type IV, phosph	3.40E-03	41327760	1	1	1
タンパク質名						
577	Rho-specific guanine nucleotide exchange factor p	6.68E-03	41327769	1	1	1
578	proline arginine-rich end leucine-rich repeat prot	7.89E-03	41349454	1	1	1
579	PR domain containing 5 [Homo sapiens]	9.30E-03	41349476	1	1	1
580	calsynenin 3; alcadein [Homo sapiens]	2.23E-03	42475534	1	1	1
581	nuclear receptor coactivator 7; estrogen receptor associated protein 1	6.25E-03	42476175	1	1	1
582	vacuolar protein sorting 13C protein [Homo sapiens]	3.48E-03	42544121	1	1	1
583	galeclin 8 isoform a; Po66 carbohydrate binding p	2.45E-03	42544185	1	1	1
584	complement factor D preproprotein; adipsin; prope	1.32E-04	42544239	1	1	1
585	PREDICTED: myosin VI [Homo sapiens]	7.97E-03	42657517	1	1	1
586	PREDICTED: similar to tudor domain containing 6 protein [Homo sapiens]	1.40E-03	42657656	1	1	1
587	PREDICTED: hypothetical protein FLJ11811 [Homo sa	9.02E-03	42660246	1	1	1
588	PREDICTED: KIAA0753 gene product [Homo sapiens]	1.96E-03	42661078	1	1	1
589	PREDICTED: ProSAP1P2 protein [Homo sapiens]	3.74E-03	42661180	1	1	1
590	PREDICTED: similar to KIAA1074 protein [Homo sapiens]	9.67E-03	42661355	1	1	1
591	MAS-related GPR, member D; mas-related G protein-coupled MRGD [Homo sa	2.48E-03	42784265	1	1	1
592	zinc finger protein 262; cell death inhibiting RN	4.80E-04	44890068	1	1	1
593	mitofusin 1 isoform 1; putative transmembrane GTPase [Homo sapiens]	9.39E-03	45269137	1	1	1
594	limbic system-associated membrane protein [Homo sa	3.01E-05	45594240	1	1	1
595	ring finger and WD repeat domain 1 isoform 1; rin	9.78E-03	45594312	1	1	1
596	hypothetical protein FLJ21918 [Homo sapiens]	2.54E-03	45935393	1	1	1
597	bifunctional phosphopantetheine adenylyl transferase/dephospho CoA kin	7.22E-03	46048207	1	1	1
598	M-phase phosphoprotein 1; mitotic kinesin-like protein [Homo sapiens]	4.11E-03	46049114	1	1	1
599	KIAA1632 protein [Homo sapiens]	7.53E-03	46195733	1	1	1
600	unc-13 homolog D [Homo sapiens]	6.22E-03	46195765	1	1	1
601	latent transforming growth factor beta binding pr	3.69E-03	46249412	1	1	1
602	FLJ45949 protein [Homo sapiens]	9.25E-03	46409412	1	1	1
603	FLJ45248 protein [Homo sapiens]	7.98E-03	46409638	1	1	1
604	succinate receptor 1; G protein-coupled receptor	5.22E-03	47271392	1	1	1

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【表 3 - 1 8】

		P	アセシオン番号	Id	Pep	Id No on 19	Pat No
605	leucine-zipper-like transcriptional regulator, 1;	5.48E-03	47717139	1	1	1	1
606	PREDICTED: similar to RIKEN cDNA 1700013E18 [Homo	2.07E-03	51458576	1	1	1	1
607	PREDICTED: similar to Fc receptor homolog expressed in B cells; Fc rec	7.24E-03	51458812	1	1	1	1
608	PREDICTED: hypothetical cardiac/skeletal muscle-e	1.41E-03	51458828	1	1	1	1
609	PREDICTED: similar to Putative dimethylamine mo	1.85E-04	51458831	1	1	1	1
610	PREDICTED: similar to osteotesticular protein tyr	7.58E-03	51458868	1	1	1	1
611	PREDICTED: similar to elongation factor 1 delta [	2.64E-03	51459015	1	1	1	1
612	PREDICTED: similar to 40S ribosomal protein S7 (S8) [Homo sapiens]	2.47E-03	51459063	1	1	1	1
タンパク質名							
613	PREDICTED: hypothetical protein XP_498801 [Homo sa	5.30E-03	51459364	1	1	1	1
614	PREDICTED: similar to bA395L14.5 (novel phosphog)	5.85E-03	51460421	1	1	1	1
615	PREDICTED: hypothetical protein XP_295058 [Homo s	3.34E-03	51460438	1	1	1	1
616	PREDICTED: similar to Calpain 9 (Digestive tract-	4.22E-03	51460556	1	1	1	1
617	PREDICTED: similar to anaphase promoting complex	1.36E-03	51460657	1	1	1	1
618	PREDICTED: similar to Ig kappa variable region [Ho	1.87E-03	51460659	1	1	1	1
619	PREDICTED: similar to KIAA0445 protein [Homo sapi	4.00E-03	51461034	1	1	1	1
620	PREDICTED: twist homolog 2 [Homo sapiens]	4.71E-03	51463853	1	1	1	1
621	PREDICTED: hypothetical protein XP_498937 [Homo sapiens]	3.47E-03	51463864	1	1	1	1
622	PREDICTED: FYVE, RhoGEF and PH domain containing 5 [Homo sapiens]	9.64E-03	51463913	1	1	1	1
623	PREDICTED: KIAA0226 gene product [Homo sapiens]	9.79E-03	51464047	1	1	1	1
624	PREDICTED: similar to KIAA2033 protein [Homo sapi	7.94E-03	51464267	1	1	1	1
625	PREDICTED: hypothetical protein DKFZp762K222 [Homo sapiens]	7.47E-03	51464327	1	1	1	1
626	PREDICTED: similar to apolysialoglycoprotein -	8.72E-03	51464378	1	1	1	1
627	PREDICTED: similar to RIKEN cDNA G431001E03 gene [Homo sapiens]	4.73E-03	51464570	1	1	1	1
628	PREDICTED: similar to FLJ14624 protein [Homo sapi	2.65E-03	51464636	1	1	1	1
629	PREDICTED: similar to bA110H4.2 (similar to membr	3.97E-03	51464932	1	1	1	1
630	PREDICTED: similar to membrane-spanning proteogly	5.64E-03	51464985	1	1	1	1
631	PREDICTED: T-box 18 [Homo sapiens]	5.28E-03	51465420	1	1	1	1
632	PREDICTED: hypothetical protein XP_499090 [Homo s	9.07E-03	51465873	1	1	1	1
633	PREDICTED: similar to KIAA0877 protein [Homo sapie	1.15E-03	51466121	1	1	1	1
634	PREDICTED: KIAA0543 protein [Homo sapiens]	1.13E-03	51466599	1	1	1	1
635	PREDICTED: hypothetical protein XP_498235 [Homo s	2.79E-03	51466834	1	1	1	1
636	PREDICTED: similar to Heat shock cognate 71 kDa pr	1.20E-03	51466978	1	1	1	1
637	PREDICTED: potassium channel, subfamily T, member	3.46E-03	51467170	1	1	1	1
638	PREDICTED: KIAA0368 protein [Homo sapiens]	3.74E-04	51467589	1	1	1	1
639	PREDICTED: similar to bA526D8.2 (novel protein si	6.51E-03	51467842	1	1	1	1
640	PREDICTED: neuroligin 3 [Homo sapiens]	6.31E-03	51467770	1	1	1	1

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	P	(種業)	アクセシオン番号	id Pep	Id No on 19	Pat No
641 PREDICTED: similar to tiger transposable element	5.47E-03	51467790	1	1	1	1
642 PREDICTED: similar to centaurin, gamma-like family, member 1; ARF GTPa	6.34E-03	51468155	1	1	1	1
643 PREDICTED: GCN1 general control of amino-acid synthesis 1-like 1 [Homo	2.23E-03	51471344	1	1	1	1
644 PREDICTED: similar to Golgi autoantigen, golgin subfamily A member 6 (	5.11E-03	51472431	1	1	1	1
645 PREDICTED: similar to Ig heavy chain V-J region HG3 precursor [Homo sa	7.98E-03	51472657	1	1	1	1
646 PREDICTED: similar to elongation factor Tu GTP bin	7.13E-03	51472670	1	1	1	1
647 PREDICTED: similar to ENSANGP00000013733 [Homo sa	3.85E-03	51473057	1	1	1	1
648 PREDICTED: hypothetical protein XP_370924 [Homo s	1.74E-03	51473154	1	1	1	1
タンパク質名						
649 PREDICTED: FLJ46675 protein [Homo sapiens]	6.48E-03	51474152	1	1	1	1
650 PREDICTED: similar to 60S ribosomal protein L23a [Homo sapiens]	6.71E-04	51474226	1	1	1	1
651 PREDICTED: 5-azacytidine induced 1 [Homo sapiens]	9.17E-03	51474428	1	1	1	1
652 PREDICTED: similar to contains transmembrane (TM)	4.67E-03	51474648	1	1	1	1
653 PREDICTED: KIAA1205 [Homo sapiens]	6.79E-03	51474761	1	1	1	1
654 PREDICTED: hypothetical protein LOC284371 [Homo s	1.79E-03	51474776	1	1	1	1
655 PREDICTED: SHC (Src homology 2 domain containing)	6.77E-03	51474945	1	1	1	1
656 PREDICTED: similar to eukaryotic translation elo	7.50E-03	51474994	1	1	1	1
657 PREDICTED: similar to Ig kappa chain [Homo sapien	1.91E-03	51475407	1	1	1	1
658 PREDICTED: KIAA0542 gene product [Homo sapiens]	9.15E-03	51476003	1	1	1	1
659 PREDICTED: similar to RIKEN cDNA 1700019P01 [Homo	1.39E-04	51476104	1	1	1	1
660 PREDICTED: similar to bA20316.1 (KIAA0970 protei	3.10E-03	51477225	1	1	1	1
661 PREDICTED: hypothetical protein XP_098980 [Homo s	1.51E-03	51477357	1	1	1	1
662 PREDICTED: similar to sperm protein associated wi	3.79E-03	51477491	1	1	1	1
663 PREDICTED: hypothetical protein XP_499220 [Homo sa	4.15E-03	51492740	1	1	1	1
664 PREDICTED: YLP motif containing 1 [Homo sapiens]	2.00E-03	51493127	1	1	1	1

【表 3 - 20】

表 3.2: 硝子体液中において同定されたタンパク質 (II)

タンパク質名	P (確率)	アクセッション番号	Id	Pep	Id No on 19	Pat No
1 albumin precursor; PRO0883 protein [Homo sapiens]	1.00E-30	4502027	95	19	11	
2 transthyretin; prealbumin [Homo sapiens]	1.00E-30	4507725	23	19	11	
3 gelsolin isoform b [Homo sapiens]	1.00E-30	38044288	4	14	9	
4 tripeptidyl-peptidase I precursor [Homo sapiens]	1.00E-30	5729770	1	7	7	
5 serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotei	1.11E-16	21361198	16	19	11	
6 transferrin; PRO2086 protein [Homo sapiens]	1.11E-15	4557871	52	19	11	
7 crystallin, beta A3; eye lens structural protein [Homo sapiens]	2.22E-15	12056461	11	7	2	
8 RBP3 gene product [Homo sapiens]	3.33E-15	4506453	16	14	10	
9 crystallin, beta A4; eye lens structural protein; C	4.44E-15	4503059	8	3	2	
10 crystallin, alpha A; crystallin, alpha-1; human alphaA-crystallin (CRYA	6.66E-16	4503055	9	6	2	
11 dickkopf homolog 3; RIG-like 7-1; RIG-like 5-6; dickkopf (Xenopus lae	7.77E-15	40548389	3	10	9	
12 enolase 3; enolase-3, beta, muscle; muscle specif	8.88E-15	16554592	1	4	4	
13 leucine-rich alpha-2-glycoprotein 1; 2310031E04Rik	8.88E-15	16418467	2	3	3	
14 beta-2-microglobulin precursor [Homo sapiens]	9.99E-15	4757826	3	14	10	
15 lysozyme precursor [Homo sapiens]	9.99E-15	4557894	5	6	6	
16 beta globin; hemoglobin beta chain [Homo sapiens]	9.99E-15	4504349	6	5	4	
17 crystallin, gamma D; gamma crystallin 4 [Homo sap	1.67E-14	13377002	3	3	1	
18 keratin 9 [Homo sapiens]	1.89E-14	4557705	2	1	1	
19 ectonucleotide pyrophosphatase/phosphodiesterase 2	2.66E-14	20070230	2	5	5	
20 complement component 4B proprotein [Homo sapiens]	3.11E-14	4502501	6	16	11	
21 secreted phosphoprotein 1 (osteopontin, bone sialo	3.44E-14	4759166	5	9	9	
22 beta-2-glycoprotein I precursor [Homo sapiens]	5.22E-14	4557327	4	10	5	
23 prostaglandin D2 synthase 21kDa; prostaglandin D synthase; prostagland	5.88E-14	32171249	3	10	8	
24 hemopexin [Homo sapiens]	6.22E-14	11321561	9	18	10	
25 serum amyloid A1 isoform 2; tumor protein p53 indu	6.88E-14	40316910	2	2	2	
26 complement component 3 precursor; acylation-stimulating protein cleavag	8.55E-14	4557385	10	18	10	
27 RBP4 gene product [Homo sapiens]	9.77E-14	5803139	3	8	6	
28 brain creatine kinase; creatine kinase B-chain; c	1.13E-13	21536286	3	3	3	
29 vitamin D-binding protein precursor; vitamin D-binding alpha-globulin	1.49E-13	32483410	7	17	9	
30 clusterin isoform 1; complement-associated protein SP-40 [Homo sapiens	1.53E-13	42716297	14	19	11	
31 orosomucoid 2; alpha-1-acid glycoprotein, type 2 [Homo sapiens]	2.73E-13	4505529	5	17	10	
32 orosomucoid 1 precursor; alpha-1-acid glycoprotein 1; Orosomucoid-1 (al	5.08E-13	9257232	6	15	10	
33 crystallin, gamma S; crystallin, gamma 8 [Homo sapiens]	8.39E-13	8922120	12	6	3	

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【表 3 - 2 1】

34	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi	1.05E-12	39725934	13	18	11
35	afanin precursor; alpha-albumin [Homo sapiens]	1.10E-12	4501987	1	4	3
36	lipocalin 1 precursor; lipocalin 1 (protein migrati	1.23E-12	4504963	4	6	6
37	tubulin, beta, 5 [Homo sapiens]	1.26E-12	21381322	1	2	2
38	alpha 1B-glycoprotein [Homo sapiens]	2.60E-12	21071030	2	8	6
39	angiotensinogen precursor; angiotensin II precursor; pre-angiotensinoge	2.70E-12	4557287	4	6	6
40	ceruloplasmin (ferroxidase); Ceruloplasmin [Homo sapiens]	2.96E-12	4557485	8	18	11
41	apolipoprotein A-I precursor [Homo sapiens]	4.91E-12	4557321	10	16	10
42	alpha-2-macroglobulin precursor [Homo sapiens]	5.16E-12	4557225	8	10	10
43	polymeric immunoglobulin receptor; hepatocellular	6.97E-12	31377806	4	2	2
44	alpha 2 globin; alpha globin; alpha-2 globin [Homo sapiens]	6.97E-12	4504346	5	3	3
45	carboxypeptidase E precursor [Homo sapiens]	7.12E-12	4503009	4	5	5
46	alpha-2-plasmin inhibitor; alpha-2-antiplasmin [Homo sapiens]	7.14E-12	11386143	1	3	3
47	phakinin; beaded filament protein CP49; bfps2, Cyto	9.69E-12	4502996	2	2	1
48	EGF-containing fibulin-like extracellular matrix protein 1 isoform b; f	1.03E-11	9665253	3	13	9
49	glutathione transferase; deafness, X-linked 7; fatf	1.03E-11	4504183	1	3	3
50	plasma glutathione peroxidase 3 precursor [Homo sapiens]	1.54E-11	6006001	2	9	7
51	crystallin, beta B1; eye lens structural protein [Homo sapiens]	1.56E-11	4503061	22	8	3
52	apolipoprotein E precursor; apolipoprotein E3 [Homo sapiens]	1.58E-11	4557325	6	13	9
53	apolipoprotein A-II precursor [Homo sapiens]	1.60E-11	4502149	4	11	6
54	crystallin, alpha B; heat-shock 20 kD like-protein [Homo sapiens]	1.82E-11	4503057	6	6	2
55	lipocalin 2 (oncogene 24p3) [Homo sapiens]	2.38E-11	38455402	3	1	1
55	fibrinogen, gamma chain isoform gamma-B precursor [Homo sapiens]	3.10E-11	11761633	6	3	2
56	apolipoprotein A-IV precursor [Homo sapiens]	4.20E-11	4502151	4	6	3
57	crystallin, beta B2; eye lens structural protein [Homo sapiens]	4.24E-11	4503063	7	8	4
58	haptoglobin [Homo sapiens]	7.34E-11	4826762	7	9	6
59	alpha-1-microglobulin/bikunin precursor; Alpha-1-microglobulin/bikunin	8.33E-11	4502067	3	8	8
60	lactotransferrin; lactoferrin [Homo sapiens]	9.25E-11	4505043	11	3	3
61	S-arrestin [Homo sapiens]	9.37E-11	4506781	5	3	3
62	pyruvate kinase 3 isoform 1; thyroid hormone-bind	1.07E-10	33286418	2	3	3
63	Niemann-Pick disease, type C2 precursor; epididymal	1.08E-10	5453678	1	4	4
64	cystatin C precursor; cystatin 3; gamma-trace; post	1.15E-10	4503107	6	11	9
65	chondroitin sulfate proteoglycan 2 (versican) [Hom	1.19E-10	21361116	2	2	2
66	crystallin, gamma C; crystallin, gamma-3 [Homo sa	1.39E-10	10518338	3	3	1
67	PREDICTED: similar to Von Ebners gland protein pr	1.42E-10	27498839	2	3	3
67	prostatic binding protein; phosphatidylethanolamine	1.66E-10	4505621	2	2	2

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【表 3 - 2 2】

68	proline rich 4 (lacrima); lacrimal proline rich pr	2.37E-10	6005802	1	1	1	5
69	cathepsin D preproprotein [Homo sapiens]	2.95E-10	4503143	2	8	7	1
70	RNA-binding protein regulatory subunit; oncogene	5.62E-10	31543380	1	2	1	1
71	tyrosine 3/tryptophan 5 -monooxygenase activation	5.63E-10	21735625	1	2	2	2
72	glyceraldehyde-3-phosphate dehydrogenase [Homo sapiens]	5.99E-10	7669492	3	5	5	5
73	hypothetical protein BC013767 [Homo sapiens]	8.80E-10	39930521	1	1	1	1
74	ATPase, H ⁺ transporting, lysosomal accessory prote	8.95E-10	17136148	1	2	2	2
75	coagulation factor II precursor; prothrombin [Homo	1.03E-09	4503635	1	2	2	2
76	amyloid beta (A4) precursor-like protein 2; amyloï	1.07E-09	4502147	3	5	5	5
77	complement component 1 inhibitor precursor [Homo sapiens]	1.28E-09	4557379	4	12	10	10
78	filensin; cytoskeletal protein, 115 KD [Homo sapie	1.32E-09	4502399	3	3	1	1
79	prolactin-induced protein; prolactin-inducible pro	1.65E-09	4505821	2	3	3	3
80	GDP dissociation inhibitor 1; mental retardation,	2.24E-09	4503971	1	1	1	1
81	complement factor B preproprotein; C3 proactivator; C3 proaccelerator;	2.63E-09	4502397	4	12	5	5
82	apolipoprotein B precursor; apoB-100; apoB-48 [Hom	2.74E-09	4502153	2	1	1	1
83	galectin 3 binding protein; L3 antigen; Mac-2-bind	2.94E-09	5031863	1	2	2	2
84	alpha-1-antichymotrypsin, precursor; alpha-1-antichymotrypsin; antichym	3.02E-09	4501843	3	10	7	7
85	opticin; opticin, oculoglycan; oculoglycan [Homo sapiens]	3.15E-09	7657419	2	7	4	4
86	complement component 1, r subcomponent [Homo sapie	3.42E-09	4502493	1	1	1	1
87	cystatin B; stefin B; liver thiol proteinase inhib	4.26E-09	4503117	1	1	1	1
88	pregnancy-zone protein; Pregnancy zone protein [Homo sapiens]	4.49E-09	4506355	1	3	3	3
89	haptoglobin-related protein; Haptoglobin-related locus [Homo sapiens]	5.78E-09	45580723	7	9	6	6
90	retinoschisis (X-linked, juvenile) 1 [Homo sapiens	6.93E-09	10835083	1	2	2	2
91	retinaldehyde binding protein 1; Newfoundland rod-c	1.07E-08	4506541	1	1	1	1
92	proprotein convertase subtilisin/kexin type 2; sub	1.13E-08	20336244	1	2	2	2
93	pancreatic ribonuclease precursor; RNase upl-1 [Homo sapiens]	1.24E-08	38201682	1	4	4	4
94	Fc fragment of IgG binding protein; IgG Fc binding	1.36E-08	4503681	8	3	3	3
94	inter-alpha (globulin) inhibitor H4 (plasma Kall	1.48E-08	31542984	2	1	1	1
95	calsyntenin 1; non-classical cadherin XB31alpha1;	1.69E-08	41281561	1	3	3	3
96	alpha-2-glycoprotein 1, zinc; Alpha-2-glycoprotein,	1.77E-08	4502337	2	3	3	3
97	kininogen 1; alpha-2-thiol proteinase inhibitor; bradykinin [Homo sapie	1.79E-08	4504893	3	9	5	5
98	Wnt inhibitory factor-1 precursor; Wnt inhibitory factor-1 [Homo sapien	2.09E-08	6005950	3	4	4	4
99	tubulin alpha 6 [Homo sapiens]	4.32E-08	14389309	1	3	3	3
100	histidine-rich glycoprotein precursor; histidine-proline rich glycoprot	5.05E-08	4504489	2	5	4	4
101	amyloid beta (A4) precursor-like protein 1 [Homo sa	5.89E-08	4885065	1	5	5	5
102	vimentin [Homo sapiens]	6.52E-08	4507895	3	1	1	1

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【表 3 - 2 3】

103	fibrinogen, alpha chain isoform alpha preproprotei	7.24E-08	11761629	5	2	2	1
104	SPARC-like 1; hevjin; mast9 [Homo sapiens]	9.96E-08	21359871	1	4	4	4
105	cellular retinoic acid binding protein 1; cellular	1.25E-07	4758052	2	1	1	1
106	lactate dehydrogenase C [Homo sapiens]	1.45E-07	4504873	1	1	1	1
107	Ii factor (complement) [Homo sapiens]	1.88E-07	4504579	2	8	6	6
108	aldehyde dehydrogenase 1A1; aldehyde dehydrogenase	2.97E-07	21361176	3	2	1	1
109	heparan sulfate proteoglycan 2; heparan sulfate pr	3.21E-07	7427517	1	1	1	1
109	serine (or cysteine) proteinase inhibitor, clade C (antithrombin), memb	3.24E-07	4502261	3	8	6	6
110	triosephosphate isomerase 1 [Homo sapiens]	3.41E-07	4507645	1	1	1	1
111	heterogeneous nuclear ribonucleoprotein A1 isoform	3.75E-07	14043070	1	1	1	1
112	biotinidase precursor [Homo sapiens]	4.83E-07	4557373	1	2	2	2
113	neuronal cell adhesion molecule; Bravo [Homo sapie	5.84E-07	41281389	1	1	1	1
114	chromogranin B precursor; Chromogranin B (secretog	7.55E-07	4502807	1	1	1	1
115	myoglobin [Homo sapiens]	9.47E-07	44955885	1	2	2	2
116	semaphorin 7A; sema domain, immunoglobulin domain	1.10E-06	4504237	2	2	2	2
117	retbindin [Homo sapiens]	1.13E-06	13899247	1	3	3	3
118	phosphoglycerate kinase 2; phosphoglycerate kinas	1.23E-06	31543397	1	1	1	1
119	cystatin S precursor; cystatin 4 [Homo sapiens]	2.01E-06	4503109	1	2	2	2
120	tubulin, alpha 2 isoform 2 [Homo sapiens]	2.17E-06	17921991	1	2	2	2
121	fibrinogen, beta chain preproprotein [Homo sapiens]	2.19E-06	11761631	2	1	1	1
122	H4 histone family, member E [Homo sapiens]	2.50E-06	11415030	1	3	3	3
123	complement factor H; H factor-1 (complement); fact	2.72E-06	4504375	1	1	1	1
124	immunoglobulin J chain [Homo sapiens]	2.74E-06	21489959	1	1	1	1
125	serum amyloid A2 [Homo sapiens]	2.77E-06	13540475	2	2	2	2
126	internexin neuronal intermediate filament protein,	3.10E-06	14249342	1	1	1	1
127	cellular repressor of E1A-stimulated genes [Homo sa	3.41E-06	4503037	1	1	1	1
128	insulin-like growth factor binding protein 7 [Homo	3.61E-06	4504619	1	2	2	2
129	alpha 1 type II collagen isoform 1; collagen II, a	4.47E-06	13435125	2	2	2	2
130	sparc/osteonectin, cwcv and kazal-like domains pro	4.61E-06	4759164	1	3	3	3
131	fibulin 1 isoform C precursor [Homo sapiens]	4.72E-06	34734062	1	1	1	1
132	metallothionein 1G [Homo sapiens]	6.02E-06	10835230	1	2	2	2
133	alcohol dehydrogenase 1B (class I), beta polypept	6.39E-06	34577061	1	1	1	1
134	heterogeneous nuclear ribonucleoprotein A2/B1 iso	6.82E-06	14043072	1	1	1	1
135	general transcription factor IIE, polypeptide 2, b	7.03E-06	4504195	1	1	1	1
136	PREDICTED: similar to Phosphoglycerate mutase 1 (	7.24E-06	41149700	1	2	2	2
137	phosphoglycerate kinase 1 [Homo sapiens]	7.80E-06	4505763	2	2	2	2
138	crystallin, gamma B; crystallin, gamma 1-2 [Homo sa	9.04E-06	4885157	1	1	1	1

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【表 3 - 2 4】

139	chitinase 3-like 1; cartilage glycoprotein-39 [Homo sapiens]	9.78E-06	4557018	1	4	3
140	KJAA0052 [Homo sapiens]	1.24E-05	39930353	1	1	1
141	PREDICTED: similar to Triosephosphate isomerase (T	1.24E-05	41058276	1	1	1
142	alpha 1 actin precursor; alpha skeletal muscle act	1.29E-05	4501881	1	3	3
143	aldolase C, fructose-bisphosphate; Aldolase C, fruc	1.31E-05	4885063	1	1	1
144	keratin 6 lrs [Homo sapiens]	1.43E-05	15618995	1	1	1
145	ubiquitin B precursor; polyubiquitin B [Homo sapie	1.49E-05	11024714	2	2	2
146	fatty acid binding protein 1, liver; Fatty acid-bin	1.51E-05	4557577	1	1	1
147	collagen, type VI, alpha 1 precursor; collagen VI	1.85E-05	15011913	1	1	1
148	heterogeneous nuclear ribonucleoprotein K isoform	2.08E-05	14185435	1	1	1
149	heat shock 90kDa protein 1, alpha; heat shock 90k	2.15E-05	40254816	1	1	1
150	T-cell immunomodulatory protein [Homo sapiens]	2.47E-05	21361933	1	1	1
151	complement component 9 [Homo sapiens]	2.66E-05	4502511	1	2	2
152	cathepsin B preproprotein; APP secretase; preproca	2.76E-05	22538431	1	2	2
153	limbic system-associated membrane protein [Homo sa	3.01E-05	45594240	1	1	1
154	glutaredoxin (thioltransferase) [Homo sapiens]	3.18E-05	4504025	1	1	1
155	transketolase [Homo sapiens]	3.22E-05	4507521	2	2	2
156	peptidoglycan recognition protein L precursor [Homo sapiens]	3.34E-05	21361845	1	3	3
157	PDZ domain containing 3 isoform a; PDZ domain con	3.34E-05	30061507	1	2	2
158	GRB2-associated binding protein 2 isoform a; Grb2	3.47E-05	18105042	1	1	1
159	PREDICTED: hypothetical protein XP_373740 [Homo sapiens]	3.65E-05	41222847	2	13	9
160	superoxide dismutase 3, extracellular [Homo sapien	3.79E-05	4507151	1	1	1
161	hypothetical protein FLJ32440 [Homo sapiens]	3.97E-05	27734761	1	3	2
162	pleiotrophin; heparin affinity regulatory protein; hep	4.01E-05	4506281	1	1	1
163	A-gamma globin; hemoglobin gamma-a chain; Hemoglo	4.02E-05	28302131	2	1	1
164	dual specificity phosphatase 8; serine/threonine specific protein phosph	4.25E-05	4758212	1	2	2
165	FLJ42220 protein [Homo sapiens]	4.37E-05	46409506	1	2	2
166	keratin 4; Keratin-4; cytokeratin 4; keratin, typ	4.40E-05	17318574	1	2	2
167	vitronectin precursor; serum spreading factor; somatomedin B; compleme	4.77E-05	18201911	1	2	2
168	chondromodulin 1 precursor; chondromodulin; BRICHOS	4.77E-05	5901932	1	2	2
169	keratin 1; Keratin-1; cytokeratin 1; hair alpha pr	5.28E-05	17318569	2	1	1
170	PREDICTED: similar to phosphatase 3; phosphatase 3; IAP-associat	5.29E-05	51492730	3	4	2
171	cadherin 2, type 1 preproprotein; cadherin 2, N-c	5.73E-05	14599889	1	1	1
172	lysosomal trafficking regulator; beige protein [Hom	5.78E-05	4502839	1	4	4
173	PREDICTED: cardiomyopathy associated 3 [Homo sapiens]	5.99E-05	51460893	1	4	2
174	hypothetical protein MGC10882 [Homo sapiens]	6.22E-05	14249240	1	1	1
175	amyloid beta A4 protein precursor, isoform b; pro	6.60E-05	41406055	1	3	3

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【表 3 - 2 5】

176	PREDICTED: hypothetical protein XP_376099 [Homo sapiens]	6.72E-05	42656388	1	1	3
177	sodium-dependent organic anion transporter [Homo sapiens]	6.81E-05	37537552	1	1	1
178	tubulin, alpha 4 [Homo sapiens]	6.95E-05	13376539	1	1	1
179	oral-facial-digital syndrome 1; chromosome X open	7.51E-05	4503179	1	1	1
180	ribosomal protein S4, Y-linked 1 Y isoform; 40S ribosomal protein S4, Y	8.87E-05	4506727	1	1	1
181	PREDICTED: zinc finger, CCHC domain containing 11	9.18E-05	41107445	1	2	1
182	calbindin 2 full length protein isoform; calbindin	9.84E-05	4502543	1	1	1
183	hypothetical protein MGC34732 [Homo sapiens]	9.92E-05	40255180	1	1	1
184	dual specificity phosphatase 5; serine/threonine specific protein phos	1.12E-04	12707566	1	5	4
185	apolipoprotein C-III precursor [Homo sapiens]	1.13E-04	4557323	1	1	1
186	prosaposin (variant Gaucher disease and variant metachromatic leukodys	1.13E-04	11386147	1	2	2
187	defensin, alpha 1 preproprotein; myeloid-related s	1.30E-04	4758146	1	2	2
188	complement factor D preproprotein; adipsin; prope	1.32E-04	42544239	1	1	1
189	hypothetical protein FLJ25369 [Homo sapiens]	1.38E-04	22749357	1	1	1
190	PREDICTED: similar to RIKEN cDNA 1700019P01 [Homo	1.38E-04	51476104	1	1	1
191	lumican [Homo sapiens]	1.40E-04	4505047	1	1	1
192	ubiquitin carboxyl-terminal esterase L1 (ubiquiti	1.47E-04	21361091	1	1	1
193	nucleoporin 214kDa; nuclear pore complex protein	1.49E-04	33946327	1	3	3
194	importin 13; Ran binding protein 13; karyopherin 13 [Homo sapiens]	1.49E-04	41281425	1	1	1
195	proprotein convertase subtilisin/kexin type 5 preproprotein; protease	1.54E-04	20336246	1	1	1
196	ankyrin repeat and SOCS box-containing protein 12	1.55E-04	22208955	2	1	1
197	heterogeneous nuclear ribonucleoprotein C isoform	1.55E-04	14110428	1	1	1
198	hypothetical protein FLJ10350 [Homo sapiens]	1.61E-04	21361781	1	1	1
199	family with sequence similarity 29, member A [Homo sapiens]	1.71E-04	31377562	1	1	1
200	acyl-Coenzyme A dehydrogenase, very long chain pre	1.84E-04	4557235	2	3	3
201	PREDICTED: similar to Putative dimethylaniline mo	1.85E-04	51458831	1	1	1
202	TATA box-binding protein-associated factor 2F; TA	1.97E-04	14717407	1	1	1
203	enolase 1; MYC promoter-binding protein 1; non-neu	2.01E-04	4503571	1	1	1
204	phosphodiesterase 6A, alpha subunit [Homo sapiens]	2.08E-04	4585864	1	6	5
205	plasminogen [Homo sapiens]	2.12E-04	4505881	1	3	2
206	dual oxidase 2 precursor; dual oxidase-like domains 2; nicotinamide ad	2.36E-04	28872753	1	4	4
207	sperm associated antigen 6 isoform 2; sperm flagellar protein; axoneme	2.37E-04	27262641	2	2	1
208	spondin 1, extracellular matrix protein; spondin	2.44E-04	24307905	1	2	2
209	hypothetical protein LOC92912 [Homo sapiens]	2.50E-04	29789401	1	2	2
210	CD14 antigen precursor [Homo sapiens]	2.50E-04	4557417	1	1	1
211	PH domain-containing protein [Homo sapiens]	2.83E-04	33457316	1	2	2
212	tuberous sclerosis 2 isoform 2; tuberin isoform 1; tuberin isoform 2;	2.96E-04	10938008	1	1	1

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213	low density lipoprotein-related protein 2; megalin	3.07E-04	6808919	1	1	1	1
214	hypothetical protein FLJ20574 [Homo sapiens]	3.10E-04	8923539	1	1	1	1
215	kallikrein 14 preproprotein; kallikrein-like protein 6 [Homo sapiens]	3.25E-04	11545747	1	2	1	1
216	skeletal muscle specific actinin, alpha 3 [Homo sapiens]	3.34E-04	4557241	1	4	3	3
217	F-box protein 40; muscle disease-related protein [H]	3.51E-04	7706493	1	1	1	1
218	transient receptor potential cation channel, subfamily M, member 8 [Ho]	3.58E-04	21361691	1	1	1	1
219	PREDICTED: KIAA0368 protein [Homo sapiens]	3.74E-04	51467569	1	1	1	1
220	alpha-2-HS-glycoprotein; Alpha-2HS-glycoprotein [Homo sapiens]	3.79E-04	4502005	1	3	3	3
221	PREDICTED: similar to KIAA0663 gene product [Homo]	3.85E-04	41058123	1	3	3	3
222	guanine nucleotide-binding protein, beta-4 subunit	4.03E-04	11055998	1	1	1	1
223	H2A histone family, member A; histone H2AE [Homo]	4.17E-04	10645195	1	2	2	2
224	potassium channel, subfamily K, member 12; tandem pore domain potassium	4.26E-04	11545761	1	1	1	1
225	milk fat globule-EGF factor 8 protein; lactadherin	4.40E-04	5174557	1	1	1	1
226	Kruppel-like factor 12 isoform a; KLF12 zinc finger	4.42E-04	21071074	1	1	1	1
227	PREDICTED: similar to sin3 associated polypeptide p18 [Homo sapiens]	4.51E-04	51461003	1	3	3	3
227	sushi-repeat-containing protein, X-linked 2; sushi	4.60E-04	7657619	1	1	1	1
228	galactosylceramidase precursor; galactocerebrosidase; Galactosylceramin	4.63E-04	4557613	1	1	1	1
229	heat shock protein apg-1 [Homo sapiens]	4.66E-04	31541941	1	1	1	1
230	PAP associated domain containing 1 [Homo sapiens]	4.69E-04	21361704	1	1	1	1
231	PREDICTED: hypothetical protein FLJ25756 [Homo sapiens]	4.76E-04	51472397	2	4	4	4
232	zinc finger protein 262; cell death inhibiting RN	4.80E-04	44890068	1	1	1	1
233	golgi autoantigen, golgin subfamily b, macrogolgin (with transmembrane	5.06E-04	4758454	1	2	2	2
234	Notch4 preproprotein; Notch (Drosophila) homolog 4 [Homo sapiens]	5.09E-04	27894370	1	1	1	1
235	protocadherin gamma subfamily B, 2 isoform 1 prec	5.25E-04	11128035	1	1	1	1
236	PREDICTED: similar to ribosomal protein L31 [Homo sapiens]	5.33E-04	51466239	1	2	2	2
237	insulin-like growth factor binding protein 6 [Homo]	5.46E-04	11321893	1	2	2	2
238	semaphorin 3D; collapsin 2 [Homo sapiens]	5.79E-04	41406086	1	2	2	2
239	hypothetical protein MGC5601; similar to acyl-CoA dehydrogenase [Homo]	5.87E-04	31543201	1	1	1	1
240	solute carrier family 37 (glycerol-3-phosphate tra	5.94E-04	14150047	1	1	1	1
241	plexin B3; plexin-B3; plexin 6 [Homo sapiens]	5.99E-04	29336063	1	3	3	3
242	PREDICTED: KIAA1030 protein [Homo sapiens]	6.08E-04	42659643	1	3	3	3
243	CP110 protein [Homo sapiens]	6.19E-04	31543018	2	3	3	3
244	core-binding factor, beta subunit isoform 2; SL3/	6.19E-04	13124873	1	1	1	1
245	PREDICTED: agrin [Homo sapiens]	6.20E-04	41151826	1	1	1	1
246	lacritin precursor [Homo sapiens]	6.51E-04	15187164	1	2	2	2
247	brain expressed, X-linked 1; uncharacterized hypo	6.54E-04	15147228	1	1	1	1
248	PREDICTED: similar to 60S ribosomal protein L23a [Homo sapiens]	6.71E-04	51474226	1	1	1	1

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【表 3 - 2 7】

249	ubiquitin specific protease 36 [Homo sapiens]	6.71E-04	35250686	1	1	1	1
250	ubiquitin specific protease 15; deubiquitinating enzyme [Homo sapiens]	6.90E-04	14149627	1	3	2	2
251	coatamer protein complex, subunit gamma 2; coat pr	7.04E-04	6912320	1	2	2	2
252	PREDICTED: similar to hect domain and RLD 2 [Homo sapiens]	7.22E-04	51472707	1	2	2	2
253	putative 28 kDa protein [Homo sapiens]	7.35E-04	10047140	1	1	1	1
254	metallothionein 3 [Homo sapiens]	7.43E-04	5174762	1	1	1	1
255	PREDICTED: similar to Piccolo protein (Aczonin) [Homo sapiens]	7.55E-04	51492882	1	2	2	2
256	hypothetical protein DKFZp434H0115 [Homo sapiens]	7.76E-04	13899233	1	1	1	1
257	hypothetical protein DKFZp434O0527 [Homo sapiens]	7.81E-04	34916026	1	5	4	4
258	PREDICTED: KIAA1604 protein [Homo sapiens]	8.01E-04	20536216	1	1	1	1
259	enhancer of zeste 2 isoform a; enhancer of zeste	8.14E-04	21361095	1	1	1	1
260	hypothetical protein FLJ20580 [Homo sapiens]	8.20E-04	8923541	1	4	3	3
261	complement component 2 precursor, C3/C5 convertase [Homo sapiens]	8.23E-04	14550407	1	1	1	1
262	SH3 and multiple ankyrin repeat domains 1; somatostatin receptor-inter	8.27E-04	11968152	1	1	1	1
263	sparc/osteonectin, cwcv and kazal-like domains prot	8.35E-04	7662036	1	1	1	1
264	PREDICTED: KIAA0882 protein [Homo sapiens]	8.39E-04	22042713	1	1	1	1
265	propionyl-Coenzyme A carboxylase, alpha polypeptid	8.42E-04	4557833	1	1	1	1
266	PREDICTED: KIAA0179 [Homo sapiens]	8.94E-04	51475296	1	4	4	4
267	myosin IIIA; deafness, autosomal recessive 30 [Homo sapiens]	9.51E-04	24586657	1	1	1	1
268	zinc finger protein 606 [Homo sapiens]	9.52E-04	31377839	1	1	1	1
269	PREDICTED: hypothetical protein LOC146177 [Homo s	9.52E-04	51472829	1	2	2	2
270	SNF2 histone linker PHD RING helicase; 2610103K11	9.92E-04	27436873	1	2	2	2
271	pantothenate kinase 3; pantothenic acid kinase [Homo sapiens]	1.01E-03	13375789	1	3	2	2
272	protein tyrosine phosphatase, receptor type, K pr	1.04E-03	18860902	1	1	1	1
273	elongation of very long chain fatty acids like 3 [Homo sapiens]	1.06E-03	23097310	1	1	1	1
274	hypothetical protein MGC35261 [Homo sapiens]	1.07E-03	33859793	1	1	1	1
275	GTPase regulator associated with the focal adhesion kinase pp125; GTPas	1.08E-03	7662208	1	6	4	4
276	cleavage and polyadenylation specific factor 3, 73kDa; cleavage and pol	1.10E-03	7706427	1	3	2	2
277	PREDICTED: KIAA0543 protein [Homo sapiens]	1.13E-03	51466599	1	1	1	1
278	serine (or cysteine) proteinase inhibitor, clade I	1.14E-03	4826904	1	1	1	1
279	Tax1 (human T-cell leukemia virus type I) binding protein 1; tax1-bind	1.14E-03	21361682	1	2	2	2
280	PREDICTED: similar to KIAA0877 protein [Homo sapie	1.15E-03	51466121	1	1	1	1
280	hypothetical protein FLJ12998 [Homo sapiens]	1.16E-03	12232437	1	1	1	1
281	PREDICTED: intracellular membrane-associated calc	1.19E-03	37538661	1	1	1	1
282	PREDICTED: KIAA0367 protein [Homo sapiens]	1.19E-03	51467193	1	3	3	3
283	PREDICTED: similar to Heat shock cognate 71 kDa pr	1.20E-03	51466978	1	1	1	1
284	LIM domain only 7; LOMP protein; zinc-finger doma	1.21E-03	33598968	1	1	1	1

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【表 3 - 2 8】

285	centromere protein C 1; Centromere autoantigen C1 [Homo sapiens]	1.23E-03	4502779	1	2	2
286	cytoplasmic FMR1 interacting protein 1; selective hybridizing clone (m	1.25E-03	24307969	1	1	1
287	synuclein, gamma (breast cancer-specific protein 1)	1.25E-03	4507113	1	1	1
288	aldo-keto reductase family 1, member C3; hydroxys	1.28E-03	24497583	1	1	1
289	formin-like 3 isoform 1; WW domain binding protei	1.28E-03	40217839	1	1	1
290	hypothetical protein FLJ31322 [Homo sapiens]	1.29E-03	45387953	1	2	1
291	dynein, axonemal, intermediate polypeptide 2; dyn	1.31E-03	12718866	1	2	2
292	brain glycogen phosphorylase; glycogen phosphoryl	1.32E-03	21361370	1	1	1
293	solute carrier family 4, sodium bicarbonate cotra	1.33E-03	19923176	1	1	1
294	FLJ46156 protein [Homo sapiens]	1.33E-03	38348312	1	1	1
295	corticosteroid binding globulin precursor; corticosteroid binding globu	1.35E-03	4502595	1	1	1
296	PREDICTED: similar to anaphase promoting complex	1.36E-03	51460657	1	1	1
297	PREDICTED: hypothetical protein XP_498867 [Homo sapiens]	1.37E-03	51475312	1	2	2
298	PREDICTED: similar to tudor domain containing 6 protein [Homo sapiens]	1.40E-03	42657656	1	1	1
299	PREDICTED: hypothetical cardiac/skeletal muscle-e	1.41E-03	51458828	1	1	1
300	zinc finger protein 560 [Homo sapiens]	1.43E-03	22749003	1	3	2
301	bromodomain adjacent to zinc finger domain, 1A isoform a; ATP-dependen	1.48E-03	32967603	1	1	1
302	hypothetical protein MGC27016 [Homo sapiens]	1.48E-03	21450675	1	2	1
303	ribosomal protein L10-like protein [Homo sapiens]	1.50E-03	18152783	1	4	2
304	RAN binding protein 2; nucleoporin 358; nuclear po	1.51E-03	6382079	1	1	1
305	PREDICTED: hypothetical protein XP_098980 [Homo s	1.51E-03	51477357	1	1	1
306	supervillin isoform 2; membrane-associated F-actin binding protein p20	1.51E-03	11496982	1	12	9
307	H63 breast cancer expressed gene isoform a; gene associated with HER-2	1.59E-03	29826289	1	1	1
308	alpha 1 type XV collagen precursor; collagen XV,	1.61E-03	18641350	1	1	1
309	beta-1,3-N-acetylglucosaminyltransferase bGnt-6; i	1.65E-03	5802984	1	1	1
310	RAN binding protein 3 isoform RANBP3-a; RAN-bindin	1.69E-03	4506409	1	1	1
311	zinc finger protein 335; zinc-finger/leucine-zipp	1.73E-03	11560152	1	1	1
312	PREDICTED: hypothetical protein XP_370924 [Homo s	1.74E-03	51473154	1	1	1
313	mitogen-activated protein kinase associated prote	1.75E-03	13129138	1	2	2
314	PREDICTED: hypothetical protein LOC284371 [Homo s	1.79E-03	51474776	1	1	1
315	stromal cell-derived factor 2 precursor [Homo sapi	1.79E-03	14141195	1	1	1
316	frizzled-related protein; Fritz; Frzb-1; fre; friz	1.81E-03	38455388	1	2	2
317	desmoplakin; desmoplakin (DPI, DPL) [Homo sapiens]	1.81E-03	4758200	1	1	1
318	TU12B1-TY protein [Homo sapiens]	1.82E-03	7706749	1	1	1
319	biliverdin reductase A [Homo sapiens]	1.86E-03	33589854	1	1	1
320	PREDICTED: similar to Ig kappa variable region [Ho	1.87E-03	51460659	1	1	1
320	SH3-domain binding protein 2; Cherubism [Homo sap	1.87E-03	19923155	1	2	2

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【表 3 - 2 9】

321	U5 snRNP-specific protein, 116 kD [Homo sapiens]	1.88E-03	41152056	1	1	1	1
322	PREDICTED: similar to Ig kappa chain [Homo sapien]	1.91E-03	51475407	1	1	1	1
323	formyltetrahydrofolate dehydrogenase isoform a [H]	1.91E-03	21614513	1	1	1	1
324	rotatin [Homo sapiens]	1.91E-03	38201696	1	1	1	1
325	hypothetical protein FLJ38973 [Homo sapiens]	1.93E-03	31581541	1	2	2	2
326	PREDICTED: KIAA0753 gene product [Homo sapiens]	1.96E-03	42661078	1	1	1	1
327	hypothetical protein DKFZp434H2215 [Homo sapiens]	1.96E-03	8922138	1	1	1	1
328	KIAA0317 [Homo sapiens]	1.98E-03	42734315	1	3	3	2
329	PREDICTED: YLP motif containing 1 [Homo sapiens]	2.00E-03	51493127	1	1	1	1
330	ankyrin repeat and SOCS box-containing 6 isoform 1 [Homo sapiens]	2.02E-03	8923516	1	1	1	1
331	PREDICTED: KIAA1414 protein [Homo sapiens]	2.04E-03	51480558	1	4	4	3
332	T-box 21; T-box expressed in T cells; T-cell-specific T-box transcripti	2.05E-03	7019549	1	1	1	1
333	PREDICTED: similar to RIKEN cDNA 1700013E18 [Homo	2.07E-03	51458576	1	1	1	1
334	similar to hypothetical protein FLJ10883 [Homo sa	2.09E-03	24308386	1	1	1	1
335	dihydropyrimidinase-like 2; collapsin response medi	2.11E-03	4503377	1	1	1	1
336	KIAA0433 protein [Homo sapiens]	2.12E-03	41281583	1	1	1	1
337	transcription factor-like protein 4 isoform gamma; MAX-like bHLHZIP pr	2.12E-03	24586667	1	8	8	5
337	keratin, hair, basic, 4; hard keratin, type II, 4	2.14E-03	15431316	1	1	1	1
338	fibronectin 1 isoform 3 preproprotein; cold-insol	2.17E-03	16933542	1	1	1	1
339	homeobox protein A5; homeobox protein HOXA5; home	2.18E-03	24497517	1	1	1	1
340	bromodomain containing protein 3; open reading fr	2.19E-03	11067749	1	1	1	1
341	homeobox protein A10 isoform b; homeobox protein H	2.19E-03	24497551	1	1	1	1
342	PREDICTED: GCN1 general control of amino-acid synthesis 1-like 1 [Homo	2.23E-03	51471344	1	1	1	1
343	calyptenin 3; alcadein [Homo sapiens]	2.23E-03	42475534	1	1	1	1
344	serine/threonine kinase 36 (fused homolog, Drosophila); serine/threoni	2.26E-03	24308123	1	1	1	1
345	interphotoreceptor matrix proteoglycan 2; interpho	2.29E-03	7706717	1	1	1	1
345	zinc finger, MYND domain containing 11 isoform b; adenovirus 5 E1A bin	2.30E-03	47076243	1	2	2	2
346	Rho GTPase activating protein 24 [Homo sapiens]	2.35E-03	13775230	1	1	1	1
347	Bardet-Biedl syndrome 1 [Homo sapiens]	2.36E-03	28395045	1	1	1	1
348	serine (or cysteine) proteinase inhibitor, clade	2.37E-03	13489087	1	1	1	1
349	similar to RIKEN cDNA 110018M03 [Homo sapiens]	2.37E-03	42766422	1	2	2	2
350	HECT domain containing 1 [Homo sapiens]	2.40E-03	32698702	1	1	1	1
351	steroid dehydrogenase-like [Homo sapiens]	2.41E-03	24432037	1	1	1	1
352	potassium voltage-gated channel, shaker-related subfamily, member 1 [Ho	2.42E-03	4557685	1	1	1	1
353	junctophilin 1; mitsugumin72; junctophilin type1 [Homo sapiens]	2.43E-03	21735575	1	3	3	2
354	kelch-like 8 [Homo sapiens]	2.43E-03	34101268	1	1	1	1
355	PREDICTED: similar to transcription elongation fa	2.45E-03	51467523	1	3	3	3

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【表 3 - 3 0】

356	crumbs homolog 1 isoform II precursor; crumbs (Dr	2.45E-03	41327708	1	1	1	1
357	galectin 8 isoform a; Po66 carbohydrate binding p	2.45E-03	42544185	1	1	1	1
357	arginyl-tRNA synthetase [Homo sapiens]	2.48E-03	15149476	1	4	4	4
358	SET and MYND domain containing 1; CD8 beta opposi	2.48E-03	38093643	1	1	1	1
359	PREDICTED: similar to 40S ribosomal protein S7 (S8) [Homo sapiens]	2.47E-03	51459063	1	1	1	1
360	MAS-related GPR, member D; mas-related G protein-coupled MRGD [Homo sa	2.48E-03	42794265	1	1	1	1
361	hypothetical protein FLJ35725 [Homo sapiens]	2.51E-03	22749135	1	1	1	1
362	hypothetical protein FLJ21918 [Homo sapiens]	2.54E-03	45935393	1	1	1	1
363	structural maintenance of chromosomes 2-like 1; structural maintenance	2.58E-03	5453591	1	1	1	1
364	PREDICTED: hypothetical protein LOC285335 [Homo sapiens]	2.58E-03	41146536	1	1	1	1
365	PREDICTED: similar to elongation factor 1 delta [	2.64E-03	51459015	1	1	1	1
366	leucine zipper, putative tumor suppressor 1; F37E	2.64E-03	10440566	1	3	2	2
367	PREDICTED: similar to FLJ14624 protein [Homo sapi	2.65E-03	51464636	1	1	1	1
368	cell adhesion molecule with homology to L1CAM pre	2.68E-03	27894376	1	1	1	1
369	NFAT activation molecule 1 precursor; calcineurin/	2.68E-03	22095335	1	1	1	1
370	B-cell lymphoma protein 2 beta isoform [Homo sapi	2.71E-03	4557357	1	1	1	1
371	cytosolic ovarian carcinoma antigen 1 isoform b; APK1 antigen [Homo sa	2.72E-03	32528291	1	2	2	2
372	hypothetical protein LOC255189 [Homo sapiens]	2.73E-03	47106065	1	2	1	1
373	postreplication repair protein hRAD18; RAD18, S. cerevisiae, homolog	2.76E-03	14550405	1	1	1	1
374	PREDICTED: hypothetical protein XP_499235 [Homo s	2.79E-03	51466834	1	1	1	1
375	DEAH (Asp-Glu-Ala-His) box polypeptide 29; nuclei	2.79E-03	28563432	1	3	3	3
376	sodium channel, voltage-gated, type II, alpha 2; s	2.80E-03	10337597	1	1	1	1
377	nucleoporin 210; nuclear pore membrane glycoprotein 210 [Homo sapiens]	2.84E-03	27477134	1	3	3	3
378	four and a half LIM domains 1; Four-and-a-half LI	2.85E-03	21361122	1	1	1	1
379	tol-like receptor 8 isoform 1 [Homo sapiens]	2.90E-03	20302166	1	1	1	1
380	golgi autoantigen, golgin subfamily a, 4; golgin-2	2.90E-03	6715600	1	1	1	1
381	inter-alpha (globulin) inhibitor H2; inter-alpha (	2.91E-03	4504783	1	1	1	1
382	hypothetical protein FLJ12178 [Homo sapiens]	2.93E-03	38202219	1	1	1	1
383	a disintegrin and metalloproteinase with thrombos	2.96E-03	33624885	1	1	1	1
384	PREDICTED: hypothetical protein XP_497598 [Homo s	2.97E-03	51474534	1	2	2	2
385	lactate dehydrogenase A [Homo sapiens]	2.98E-03	5031857	1	1	1	1
386	glutathione S-transferase M1 isoform 1; HB subuni	2.98E-03	23065544	1	1	1	1
387	phospholipase C gamma 1 isoform b; phospholipase	3.00E-03	33599946	1	1	1	1
388	PREDICTED: similar to bA20316.1 (KIAA0970 protei	3.10E-03	51477225	1	1	1	1
389	acetyl-Coenzyme A acyltransferase 1; peroxisomal 3	3.11E-03	4501853	1	1	1	1
390	insulin receptor substrate 1 [Homo sapiens]	3.11E-03	5031805	1	3	1	1
391	PREDICTED: similar to Tetraatricopeptide repeat pr	3.15E-03	29735653	1	1	1	1

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【表 3 - 3 1】

392	ankyrin repeat domain 30A; breast cancer antigen NY-BR-1 [Homo sapiens]	3.16E-03	16506285	1	2	2
393	DEAH (Asp-Glu-Ala-His) box polypeptide 30 isoform	3.17E-03	20336290	1	1	1
394	SATB family member 2; two cut domains-containing	3.24E-03	38016202	1	1	1
395	hepatoma-derived growth factor, related protein 3; hepatoma-derived gro	3.24E-03	7705320	1	1	1
396	enolase 2; neurone-specific enolase; neuron speci	3.25E-03	5803011	1	1	1
397	Ral GEF with PH domain and SH3 binding motif 2; Ral-A exchange factor	3.25E-03	32441283	1	1	1
398	PREDICTED: hypothetical protein XP_370638 [Homo s	3.28E-03	41149556	1	1	1
399	mitogen-activated protein kinase-activated protei	3.28E-03	10863901	1	1	1
400	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal) [Homo s	3.30E-03	4502823	1	1	1
401	growth factor receptor-bound protein 14 [Homo sapiens]	3.32E-03	4758478	1	2	2
402	PREDICTED: hypothetical protein XP_295058 [Homo s	3.34E-03	51460438	1	1	1
403	aldehyde dehydrogenase 3 family, member A1; aldehy	3.34E-03	22907049	1	1	1
404	eukaryotic translation initiation factor 2C, 3 isoform a; argonaute 3	3.35E-03	29294647	1	2	2
405	DnaJ (Hsp40) homolog, subfamily C, member 1 [Homo sapiens]	3.37E-03	21361912	1	1	1
406	ATPase, Class II, type 9B; ATPase type IV, phosph	3.40E-03	41327760	1	1	1
407	hypothetical protein FLJ12875 [Homo sapiens]	3.42E-03	13375705	1	1	1
408	PREDICTED: potassium channel, subfamily T, member	3.46E-03	51467170	1	1	1
409	PREDICTED: hypothetical protein XP_498937 [Homo sapiens]	3.47E-03	51463864	1	1	1
410	vacuolar protein sorting 13C protein [Homo sapiens]	3.48E-03	42544121	1	1	1
411	GREB1 protein isoform a; gene regulated by estrogen	3.50E-03	23397642	1	1	1
412	DC12 protein [Homo sapiens]	3.52E-03	9910182	1	1	1
413	folistatin-like 1 precursor; follistatin-related p	3.56E-03	5901956	1	1	1
414	chloride channel 6 isoform CIC-6a [Homo sapiens]	3.56E-03	4502873	1	1	1
415	PREDICTED: hypothetical protein XP_375631 [Homo sa	3.57E-03	42661664	1	2	2
416	KIAA1404 protein [Homo sapiens]	3.58E-03	28626521	1	1	1
417	fragile X mental retardation-related protein 1; Fragile X mental retard	3.60E-03	4826736	1	1	1
418	BPY2 interacting protein 1; chromosome 19 open re	3.61E-03	21361668	1	1	1
419	vacuolar protein sorting 18 [Homo sapiens]	3.62E-03	17978485	1	2	2
420	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma; phosphatidyl	3.65E-03	31317309	1	2	2
421	latent transforming growth factor beta binding pr	3.69E-03	46249412	1	1	1
422	transformation/transcription domain-associated pro	3.71E-03	4507691	1	1	1
423	neogenin homolog 1; neogenin (chicken) homolog 1 [Homo sapiens]	3.72E-03	4505375	1	2	2
424	Y chromosome chromodomain protein 1 isoform a; te	3.74E-03	25453481	1	1	1
425	PREDICTED: ProSAPIP2 protein [Homo sapiens]	3.74E-03	42661180	1	1	1
426	DC13 protein [Homo sapiens]	3.77E-03	9910184	1	1	1
427	PREDICTED: similar to sperm protein associated wi	3.79E-03	51477491	1	1	1
428	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminylt	3.79E-03	21686971	1	1	1

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【表 3 - 3 2】

429	Jumonji, AT rich interactive domain 1B (RBP2-like	3.81E-03	19923370	2	1	1
430	nitric oxide synthase 1 (neuronal) [Homo sapiens]	3.81E-03	10835173	1	1	1
431	golgi phosphoprotein 4; type II Golgi membrane prot	3.82E-03	7657138	1	1	1
432	solute carrier family 39 (zinc transporter), member 6; LIV-1 protein,	3.83E-03	12751475	1	1	1
433	PREDICTED: similar to ENSANGP0000013733 [Homo sa	3.85E-03	51473057	1	1	1
434	vacuolar protein sorting 13A isoform B; chorelin;	3.86E-03	15619008	1	1	1
435	hypothetical protein FLJ20626 [Homo sapiens]	3.88E-03	8923582	1	1	1
436	PREDICTED: similar to bA110H4.2 (similar to membr	3.97E-03	51464932	1	1	1
437	PREDICTED: huntingtin interacting protein-1-relat	3.98E-03	29744338	1	1	1
438	PREDICTED: similar to KIAA0445 protein [Homo sapi	4.00E-03	51461034	1	1	1
439	calcium/calmodulin-dependent protein kinase IV; br	4.02E-03	4502557	1	1	1
440	inter-alpha (globulin) inhibitor H5-like; ITI-lik	4.05E-03	38348336	1	1	1
441	PREDICTED: similar to serologically defined colon	4.05E-03	41150943	1	1	1
442	phosphoinositide-specific phospholipase C beta 1	4.07E-03	12083581	1	1	1
443	vacuolar protein sorting 35; maternal-embryonic 3; vacuolar protein so	4.10E-03	17999541	1	1	1
444	M-phase phosphoprotein 1; mitotic kinesin-like protein [Homo sapiens]	4.11E-03	46049114	1	1	1
445	lipoyltransferase 1 [Homo sapiens]	4.13E-03	21729878	1	1	1
446	sister-of-mammalian grainyhead protein isoform 1;	4.14E-03	38049007	1	1	1
447	cadherin 15 preproprotein; M-cadherin; muscle-cadherin; myotubule-cadhe	4.15E-03	4826669	1	1	1
448	LOC161577 protein [Homo sapiens]	4.15E-03	38348358	1	1	1
449	PREDICTED: hypothetical protein XP_499220 [Homo sa	4.15E-03	51492740	1	1	1
450	WW domain binding protein 11; Npw38-binding protei	4.17E-03	7706501	1	2	2
451	numb homolog; numb (Drosophila) homolog [Homo sapi	4.19E-03	20070356	1	1	1
452	chromosome 10 open reading frame 87; Em:AC061711.1 [Homo sapiens]	4.19E-03	21389373	1	1	1
453	PREDICTED: similar to Calpain 9 (Digestive tract-	4.22E-03	51460556	1	1	1
454	acetyl-Coenzyme A carboxylase beta [Homo sapiens]	4.23E-03	4501855	1	1	1
455	Rho family guanine-nucleotide exchange factor [Ho	4.32E-03	31742505	1	2	2
456	hypothetical protein DKFZp547B1713 [Homo sapiens]	4.35E-03	22748815	1	1	1
457	secretory leukocyte protease inhibitor precursor; W	4.40E-03	4507065	1	1	1
458	hypothetical protein FLJ21477 [Homo sapiens]	4.46E-03	13376749	1	1	1
459	E1A binding protein p400; CAGH32 protein; trinucleotide repeat contain	4.47E-03	15805014	1	1	1
460	neurologin 2 [Homo sapiens]	4.50E-03	30840878	1	1	1
461	hypothetical protein MGC20781 [Homo sapiens]	4.52E-03	34147472	1	1	1
462	FLJ25005 protein [Homo sapiens]	4.55E-03	38570111	1	4	4
463	testis expressed sequence 13A [Homo sapiens]	4.60E-03	13775180	1	1	1
464	RAC/CDC42 exchange factor isoform 2 [Homo sapiens]	4.60E-03	19311008	1	1	1
465	nudix (nucleoside diphosphate linked moiety X)-type motif 11 [Homo sap	4.64E-03	37221177	1	1	1

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【表 3 - 3 3】

466	heat shock 70kDa protein 8 isoform 2; heat shock c	4.64E-03	24234686	1	1	1
467	PREDICTED: similar to contains transmembrane (TM)	4.67E-03	51474648	1	1	1
467	delta globin [Homo sapiens]	4.67E-03	4504351	1	1	1
468	DNA methyltransferase 1-associated protein 1 [Homo sapiens]	4.68E-03	13123776	1	1	1
469	coagulation factor XII precursor; Hageman factor [Homo sapiens]	4.68E-03	4503629	1	1	1
470	PREDICTED: twist homolog 2 [Homo sapiens]	4.71E-03	51463853	1	1	1
471	PREDICTED: similar to RIKEN cDNA G431001E03 gene [Homo sapiens]	4.73E-03	51464570	1	1	1
472	cytosolic phosphoenolpyruvate carboxylase 1; phosphoenolpyruvate car	4.79E-03	32483401	1	1	1
473	ubiquitin 1 [Homo sapiens]	4.83E-03	9055374	1	1	1
474	macrophage erythroblast attenuator; erythroblast macrophage protein [Homo sapiens]	4.84E-03	5031685	1	2	1
475	SH2 domain binding protein 1; TPR-containing, SH2-	4.93E-03	7661950	1	1	1
476	interleukin 10 receptor, alpha precursor [Homo sapiens]	4.94E-03	4504633	1	1	1
477	PREDICTED: similar to RIKEN cDNA 2210009G21 [Homo sapiens]	4.97E-03	37558081	1	1	1
478	protease, serine, 22; protease, serine S1 family member 22; trypsin e	5.01E-03	11545839	1	1	1
479	cutaneous T-cell lymphoma tumor antigen se70-2 [Homo sapiens]	5.02E-03	31652264	1	1	1
480	dihydrofolate reductase [Homo sapiens]	5.05E-03	4503323	1	1	1
481	alkylglycerone phosphate synthase precursor [Homo sapiens]	5.09E-03	4501993	1	1	1
482	PREDICTED: similar to Golgi autoantigen, golgin subfamily A member 6 (	5.11E-03	51472431	1	1	1
483	palmitoylated membrane protein 7 [Homo sapiens]	5.12E-03	27735101	1	2	2
484	hypothetical protein BC008207 [Homo sapiens]	5.13E-03	19923911	1	1	1
485	PREDICTED: similar to submaxillary apomucin [Homo sapiens]	5.14E-03	51471105	1	2	2
486	translocase of inner mitochondrial membrane 23 (yeast) homolog; translo	5.15E-03	5454122	1	1	1
487	toll-like receptor 9 isoform A precursor [Homo sapiens]	5.19E-03	8394456	1	1	1
488	succinate receptor 1; G protein-coupled receptor	5.22E-03	47271392	1	1	1
489	PREDICTED: similar to pMesogenin1 [Homo sapiens]	5.26E-03	37539465	1	1	1
490	chimerin (chimaerin) 2; Chimerin 2 (GTPase-activating protein, rho, 3);	5.26E-03	4757980	1	1	1
491	SRY (sex determining region Y)-box 4; SRY-related HMG-box gene 4; ecotr	5.28E-03	4507163	1	1	1
492	PREDICTED: T-box 18 [Homo sapiens]	5.28E-03	51465420	1	1	1
492	PREDICTED: hypothetical protein XP_498801 [Homo sapiens]	5.30E-03	51459364	1	1	1
493	PREDICTED: follistatin-like 4 [Homo sapiens]	5.31E-03	22049346	1	1	1
494	apolipoprotein D precursor [Homo sapiens]	5.32E-03	4502163	1	1	1
495	hypothetical protein FLJ40125 [Homo sapiens]	5.33E-03	30425418	1	1	1
496	nebulin [Homo sapiens]	5.35E-03	4758794	1	2	2
497	testis-specific protein TSP-NY isoform a [Homo sapiens]	5.38E-03	30348972	1	2	2
498	MDN1, midasin homolog [Homo sapiens]	5.39E-03	24415404	1	1	1
499	hypothetical protein LOC200186 [Homo sapiens]	5.40E-03	32171215	1	1	1
500	general transcription factor IIH, polypeptide 1 (62kD subunit) [Homo sa	5.41E-03	4885365	1	2	1

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【表 3 - 3 4】

501	T-cell activation kelch repeat protein [Homo sapiens]	5.41E-03	21245132	1	1	1
502	KIAA0625 protein [Homo sapiens]	5.44E-03	37620159	1	1	1
503	PREDICTED: similar to tigger transposable element	5.47E-03	51467790	1	1	1
504	leucine-zipper-like transcriptional regulator, 1;	5.48E-03	47717139	1	1	1
505	tumor necrosis factor, alpha-induced protein 1 [Homo sapiens]	5.50E-03	10863937	1	1	1
506	hypothetical protein FLJ14768 [Homo sapiens]	5.53E-03	14249548	1	1	1
507	myosin light chain 2 [Homo sapiens]	5.53E-03	4557775	1	1	1
508	retinitis pigmentosa 1-like 1 [Homo sapiens]	5.54E-03	40255278	1	1	1
509	mitochondrial ribosomal protein L32 [Homo sapiens]	5.55E-03	13994261	1	1	1
510	transaldolase 1; glycerone transferase; dihydroxya	5.62E-03	5803187	1	1	1
511	PREDICTED: similar to membrane-spanning proteogly	5.64E-03	51464985	1	1	1
512	coiled-coil domain containing 8 [Homo sapiens]	5.64E-03	14042972	1	1	1
513	TR4 orphan receptor associated protein TRA16; rep	5.65E-03	28882043	1	1	1
514	SLAM family member 7; CD2-like receptor activating cytotoxic cells; 19	5.67E-03	19923572	1	1	1
515	testis nuclear RNA-binding protein [Homo sapiens]	5.72E-03	21245124	1	1	1
516	succinate-CoA ligase, ADP-forming, beta subunit; SCS-betaA for ATP spe	5.79E-03	11321583	1	3	1
517	transmembrane channel-like 7 [Homo sapiens]	5.84E-03	33636691	1	1	1
518	PREDICTED: similar to bA395L14.5 (novel phosphogl	5.85E-03	51460421	1	1	1
519	RIC3 protein [Homo sapiens]	5.90E-03	21362040	1	2	2
520	zinc finger protein 545 [Homo sapiens]	5.96E-03	28274686	1	1	1
521	hypothetical protein FLJ13868 [Homo sapiens]	5.97E-03	12232403	1	1	1
522	PREDICTED: similar to Olfactory receptor 52L1 [Homo sapiens]	5.99E-03	51470915	1	2	1
523	cadherin 11, type 2 isoform 1 preproprotein; oste	6.03E-03	16306632	1	1	1
524	talin 1 [Homo sapiens]	6.05E-03	16753233	1	1	1
525	zinc finger protein 625 [Homo sapiens]	6.05E-03	21687161	1	2	1
526	general transcription factor IIIC, polypeptide 3;	6.08E-03	6912398	1	1	1
527	cystathionine-beta-synthase; serine sulfhydryase; be	6.11E-03	4557415	1	1	1
528	nuclear receptor subfamily 4, group A, member 3 is	6.11E-03	27894355	1	1	1
529	vitelliform macular dystrophy 2-like 2; bestrophin 4 [Homo sapiens]	6.11E-03	23397576	1	1	1
530	hypothetical protein LOC168850 [Homo sapiens]	6.17E-03	39753953	1	1	1
531	mutS homolog 5 isoform a; mutS (E. coli) homolog 5 [Homo sapiens]	6.18E-03	26638662	1	4	4
532	USH3A protein isoform c; clarin-1 [Homo sapiens]	6.20E-03	16506281	1	1	1
533	ATP-binding cassette, sub-family F, member 1; ATP-binding cassette 50;	6.21E-03	10947135	1	1	1
534	unc-13 homolog D [Homo sapiens]	6.22E-03	46195765	1	1	1
535	nuclear receptor coactivator 7; estrogen receptor associated protein 1	6.25E-03	42476175	1	1	1
536	MYB binding protein 1a; p53-activated protein-2 [Homo sapiens]	6.25E-03	7657351	1	1	1
537	elongation factor RNA polymerase II; ELL gene (11-	6.28E-03	5729812	1	2	2

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【表 3 - 3 5】

538	hypothetical protein MGC10854 [Homo sapiens]	6.29E-03	14150056	1	1	1
539	PREDICTED: neuregulin 3 [Homo sapiens]	6.31E-03	51467770	1	1	1
540	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18; Myc-re	6.32E-03	38327634	1	1	1
541	PREDICTED: similar to centaurin, gamma-like family, member 1; ARF GTPa	6.34E-03	51468155	1	1	1
542	KIAA1033 protein [Homo sapiens]	6.37E-03	40018629	1	1	1
543	PREDICTED: TBP-interacting protein [Homo sapiens]	6.46E-03	41144277	1	1	1
543	PREDICTED: FLJ46675 protein [Homo sapiens]	6.48E-03	51474152	1	1	1
544	PREDICTED: similar to bA526D8.2 (novel protein si	6.51E-03	51467642	1	1	1
544	Rho-specific guanine nucleotide exchange factor p	6.68E-03	41327769	1	1	1
545	polypeptide N-acetylgalactosaminyltransferase 6; Ga	6.69E-03	6005766	1	1	1
546	Interleukin 13 receptor, alpha 1 precursor; IL13 receptor alpha-1 chain	6.69E-03	4504647	1	1	1
547	PREDICTED: SHC (Src homology 2 domain containing)	6.77E-03	51474945	1	1	1
548	PREDICTED: KIAA1205 [Homo sapiens]	6.79E-03	51474761	1	1	1
549	UNC13 (C. elegans)-like; homolog of rat Munc13 (d	6.80E-03	38176154	1	1	1
550	AT-hook transcription factor; AT-hook transcripti	6.81E-03	37620171	1	1	1
551	TBP-associated factor 9L; neuronal cell death-rel	6.83E-03	20070280	1	1	1
552	thrombospondin 2 precursor [Homo sapiens]	6.85E-03	40317628	1	1	1
553	hypothetical protein BC011981 [Homo sapiens]	6.90E-03	19923935	1	1	1
554	breast cancer 2, early onset; Fanconi anemia, comp	6.95E-03	4502451	1	1	1
555	acyl-Coenzyme A oxidase 3, pristanoyl [Homo sapiens]	6.97E-03	4501871	1	1	1
556	A-kinase anchor protein 9 isoform 2; A-kinase anc	7.07E-03	22538387	1	1	1
557	PREDICTED: similar to elongation factor Tu GTP bin	7.13E-03	51472670	1	1	1
558	TUDOR gene similar [Homo sapiens]	7.14E-03	32998737	1	1	1
559	mitogen-activated protein kinase 10 isoform 3; MAP kinase; JNK3 alpha	7.21E-03	20986506	1	1	1
560	bifunctional phosphopantetheine adenylyl transferase/dephospho CoA kin	7.22E-03	46048207	1	1	1
561	PREDICTED: similar to Fc receptor homolog expressed in B cells; Fc rec	7.24E-03	51458812	1	1	1
562	FLJ46072 protein [Homo sapiens]	7.24E-03	38348290	1	1	1
563	PREDICTED: hypothetical protein DKFZp762K222 [Homo sapiens]	7.47E-03	51464327	1	1	1
564	PREDICTED: similar to eukaryotic translation elo	7.50E-03	51474994	1	1	1
565	hypothetical protein FLJ10706 [Homo sapiens]	7.51E-03	40254931	1	1	1
566	hypothetical protein MGC4308 [Homo sapiens]	7.51E-03	14150167	1	2	2
567	KIAA1632 protein [Homo sapiens]	7.53E-03	46195733	1	1	1
567	PREDICTED: PTPRF interacting protein, binding pro	7.54E-03	20561108	1	1	1
568	PREDICTED: similar to osteotesticular protein tyr	7.58E-03	51458868	1	1	1
569	hypothetical protein CG003 [Homo sapiens]	7.59E-03	12957488	1	1	1
570	cell cycle progression 1; cell cycle progression	7.64E-03	28395035	1	1	1
571	mbt domain containing 1 [Homo sapiens]	7.70E-03	8923059	1	1	1

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【表 3 - 3 6】

572	proline arginine-rich end leucine-rich repeat prot	7.89E-03	41349454	1	1	1
573	protein tyrosine phosphatase, non-receptor type 3	7.93E-03	18104986	1	1	1
574	PREDICTED: similar to KIAA2033 protein [Homo sapi]	7.94E-03	51464267	1	1	1
575	hypothetical protein FLJ21019 [Homo sapiens]	7.94E-03	40255047	1	1	1
576	PREDICTED: myosin VI [Homo sapiens]	7.97E-03	42657517	1	1	1
577	PREDICTED: similar to Ig heavy chain V-I region HG3 precursor [Homo sa	7.98E-03	51472657	1	1	1
578	FLJ45248 protein [Homo sapiens]	7.98E-03	46408638	1	1	1
579	gelsolin isoform a [Homo sapiens]	7.98E-03	4504165	1	1	1
580	oxysterol-binding protein-like 1A isoform B; oxys	8.02E-03	19718741	1	1	1
581	rearranged L-myc fusion sequence; Zn-15 related [Homo sapiens]	8.08E-03	6912632	1	1	1
582	cardiomyopathy associated 5; 2310076E16Rik [Homo sapiens]	8.25E-03	32698780	1	1	1
583	ADP-ribosylation factor guanine nucleotide-exchange factor 2; brefeldin	8.25E-03	5453573	1	1	1
584	sidekick 2; Drosophila sidekick-like; chicken sid	8.27E-03	21735577	1	1	1
585	similar to golgi autoantigen, golgin subfamily a,	8.29E-03	38044110	1	1	1
586	CTP:phosphocholine cytidyltransferase b [Homo s	8.34E-03	21361202	1	1	1
587	zinc finger protein 295 [Homo sapiens]	8.35E-03	40254945	1	1	1
588	adenylate kinase 3 alpha like; adenylate kinase 6	8.35E-03	19923437	1	1	1
589	ataxia telangiectasia mutated protein isoform 1;	8.37E-03	20336203	1	1	1
590	ring finger protein 31 [Homo sapiens]	8.40E-03	38045940	1	1	1
591	hypothetical protein DKFZp564J047 [Homo sapiens]	8.44E-03	14149781	1	1	1
592	VGF nerve growth factor inducible precursor; neuro	8.47E-03	17136078	1	1	1
593	LIM domain kinase 2 isoform 2a [Homo sapiens]	8.54E-03	5031869	1	1	1
594	spermiogenesis associated serine/threonine kinase	8.60E-03	14042947	1	1	1
595	fatty acid binding protein 5 (psoriasis-associated)	8.62E-03	4557581	1	1	1
596	PREDICTED: KIAA1549 protein [Homo sapiens]	8.65E-03	41198251	1	1	1
597	meningioma expressed antigen 5 (hyaluronidase); hy	8.71E-03	11024698	1	1	1
598	PREDICTED: similar to apolysialoglycoprotein -	8.72E-03	51464378	1	1	1
599	zinc finger protein 135 (clone pHZ-17); zinc finger protein 61 [Homo s	8.75E-03	34419633	1	1	1
600	keich-like 17; actinfilin [Homo sapiens]	8.82E-03	38194229	1	1	1
601	mitochondrial ribosomal protein S31; imogen 38 [Ho	8.84E-03	5031787	1	1	1
601	coatamer protein complex, subunit beta 2 (beta prl.	8.85E-03	4758032	1	1	1
602	PREDICTED: KIAA0767 protein [Homo sapiens]	8.86E-03	17485400	1	1	1
603	synaptosomal-associated protein 25 isoform SNAP25A	8.87E-03	18765733	1	1	1
604	chromosome 14 open reading frame 8; p25 beta [Homo sapiens]	8.89E-03	27777659	1	1	1
605	ubiquitin specific protease 28 [Homo sapiens]	8.91E-03	16507200	1	1	1
606	zinc finger protein 553 [Homo sapiens]	8.94E-03	22749325	1	1	1
607	membrane associated guanylate kinase interacting protein-like 1 [Homo	9.00E-03	27735139	1	1	1

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【表 3 - 3 7】

608	PREDICTED: hypothetical protein FLJ11811 [Homo sa	9.02E-03	42660246	1	1	1	1
609	protein kinase C substrate 80K-H; glucosidase II,	9.04E-03	4506077	1	1	1	1
610	polymerase (DNA directed), delta 2, regulatory subunit; polymerase (DNA	9.06E-03	5453924	1	1	1	1
611	PREDICTED: hypothetical protein XP_499090 [Homo s	9.07E-03	51465873	1	1	1	1
612	peroxiredoxin 3 isoform b; antioxidant protein 1; thioredoxin-dependen	9.08E-03	32483377	1	1	1	1
613	similar to hypothetical protein FLJ13659 [Homo sa	9.12E-03	21687266	1	1	1	1
614	PREDICTED: KIAA0542 gene product [Homo sapiens]	9.15E-03	51476003	1	1	1	1
615	PREDICTED: 5-azacytidine induced 1 [Homo sapiens]	9.17E-03	51474428	1	1	1	1
616	thyrotrophic embryonic factor; thyrotroph embryonic factor [Homo sapien	9.22E-03	4507431	1	1	1	1
617	zinc finger, CW-type with coiled-coil domain 3; n	9.24E-03	28872812	1	1	1	1
618	betaine-homocysteine methyltransferase 2 [Homo sa	9.24E-03	13162290	1	1	1	1
619	FLJ45949 protein [Homo sapiens]	9.25E-03	46409412	1	1	1	1
620	general transcription factor IIC, polypeptide 1, alpha 220kDa; general	9.27E-03	4753161	1	1	1	1
621	PR domain containing 5 [Homo sapiens]	9.30E-03	41349476	1	1	1	1
622	glycosyltransferase-like 1B; ortholog of mouse glycosyltransferase-lik	9.33E-03	33285008	1	1	1	1
623	bullous pemphigoid antigen 1 isoform 1; bullous p	9.37E-03	34577047	1	3	3	3
624	mitofusin 1 isoform 1; putative transmembrane GTPase [Homo sapiens]	9.39E-03	45269137	1	1	1	1
624	hypothetical protein FLJ37440 [Homo sapiens]	9.41E-03	23397471	1	1	1	1
625	polycystic kidney disease and receptor for egg jell	9.42E-03	5174633	1	1	1	1
626	doublecortin and CaM kinase-like 1; doublecortin-l	9.42E-03	4758128	1	1	1	1
627	PREDICTED: similar to synaptotagmin-like protein	9.42E-03	18582480	1	1	1	1
628	latrophilin 3; latrophilin homolog 3 (cow); lectomedin 3 [Homo sapiens]	9.42E-03	14149677	1	1	1	1
629	down-regulated in adenoma protein; down-regulated	9.52E-03	4557535	1	1	1	1
630	integrin-linked kinase-associated protein phosphat	9.52E-03	13540531	1	1	1	1
631	S-adenosylhomocysteine hydrolase; adenosylhomocyst	9.58E-03	9951915	1	1	1	1
632	A-kinase anchor protein 8; A-kinase anchor protein, 95kDa [Homo sapiens]	9.60E-03	5031579	1	1	1	1
633	PREDICTED: FYVE, RhoGEF and PH domain containing 5 [Homo sapiens]	9.64E-03	51463913	1	1	1	1
634	PREDICTED: similar to KIAA1074 protein [Homo sapiens]	9.67E-03	42661355	1	1	1	1
635	ryanodine receptor 2 [Homo sapiens]	9.67E-03	4506757	1	1	1	1
636	actin related protein M1 [Homo sapiens]	9.72E-03	18549325	1	1	1	1
637	chromosome 19 open reading frame 21 [Homo sapiens]	9.72E-03	27735067	1	1	1	1
638	mirror-image polydactyly 1; mirror-image polydact	9.72E-03	23503325	1	1	1	1
639	early growth response 1; nerve growth factor-induc	9.73E-03	4503493	1	1	1	1
640	protease, serine, 15; Lon protease-like protein;	9.76E-03	21396489	1	1	1	1
641	centromere protein F (350/400kD); centromere prot	9.77E-03	14670381	1	1	1	1
642	ring finger and WD repeat domain 1 isoform 1; rin	9.78E-03	45594312	1	1	1	1
643	PREDICTED: KIAA0226 gene product [Homo sapiens]	9.79E-03	51464047	1	1	1	1

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【表 3 - 3 9】

表 3.3: 硝子体液において同定されたタンパク質 (III)

タンパク質	アクセッション番号	的中した ペプチド	無作為化された 同定の確率
1 PREDICTED: KIAA0542 gene product [Homo sapiens]	51478003	1	9.15E-03
2 PREDICTED: hypothetical protein XP_498867 [Homo sapiens]	51475312	1	7.61E-03
3 PREDICTED: KIAA0179 [Homo sapiens]	51475296	1	3.71E-03
4 PREDICTED: similar to 60S ribosomal protein L23a [Homo sapiens]	51474226	1	6.71E-04
5 PREDICTED: similar to Ig heavy chain V4 region HG3 precursor [Homo sa]	51472657	1	7.98E-03
6 PREDICTED: hypothetical protein FLJ25756 [Homo sapiens]	51472397	1	7.01E-03
7 PREDICTED: GCN1 general control of amino-acid synthesis 1-like 1 [Homo]	51471344	1	2.23E-03
8 PREDICTED: similar to Olfactory receptor 52L1 [Homo sapiens]	51470915	1	9.64E-03
9 PREDICTED: KIAA0367 protein [Homo sapiens]	51467193	1	1.19E-03
10 PREDICTED: T-box 18 [Homo sapiens]	51465420	1	5.28E-03
11 PREDICTED: similar to RIKEN cDNA G431001E03 gene [Homo sapiens]	51464570	1	4.73E-03
12 PREDICTED: hypothetical protein DKFZp762K222 [Homo sapiens]	51464327	1	7.47E-03
13 PREDICTED: KIAA0226 gene product [Homo sapiens]	51464047	1	9.79E-03
14 PREDICTED: FYVE, RhoGEF and PH domain containing 5 [Homo sapiens]	51463913	1	9.64E-03
15 PREDICTED: similar to sin3 associated polypeptide p18 [Homo sapiens]	51461003	1	1.83E-03
16 PREDICTED: cardiomyopathy associated 3 [Homo sapiens]	51460893	1	6.18E-04
17 PREDICTED: KIAA1414 protein [Homo sapiens]	51460558	1	4.99E-03
18 PREDICTED: similar to 40S ribosomal protein S7 (S8) [Homo sapiens]	51459063	1	2.47E-03
19 PREDICTED: similar to Fc receptor homolog expressed in B cells; Fc rec	51458812	1	7.24E-03
20 hypothetical protein LOC255189 [Homo sapiens]	47108065	1	3.82E-03
21 zinc finger, MYND domain containing 11 isoform b; adenovirus 5 E1A bin ^α	47078243	1	2.97E-03
22 haptoglobin-related protein; Haptoglobin-related locus [Homo sapiens]	45580723	2	6.97E-05
23 MAS-related GPR, member D; mas-related G protein-coupled MRGD [Homo sa	42794265	1	2.48E-03
24 KIAA0317 [Homo sapiens]	42734315	1	1.98E-03
25 clusterin isoform 1; complement-associated protein SP-40 [Homo sapiens]	42716297	1	5.04E-12
26 PREDICTED: similar to KIAA1074 protein [Homo sapiens]	42661355	1	9.67E-03
27 PREDICTED: KIAA1030 protein [Homo sapiens]	42659643	1	6.08E-04
28 PREDICTED: similar to tudor domain containing 6 protein [Homo sapiens]	42657656	1	1.40E-03
29 PREDICTED: hypothetical protein XP_376099 [Homo sapiens]	42656388	1	6.72E-05
30 vacuolar protein sorting 13C protein [Homo sapiens]	42544121	1	3.48E-03
31 senaphorin 3D; collapsin 2 [Homo sapiens]	41406086	1	9.26E-03
32 PREDICTED: hypothetical protein XP_373740 [Homo sapiens]	41222847	1	5.96E-05
33 PREDICTED: TBP-interacting protein [Homo sapiens]	41144277	1	6.46E-03
34 thrombospondin 2 precursor [Homo sapiens]	40317628	1	6.85E-03
35 hypothetical protein MGC34732 [Homo sapiens]	40255180	1	9.92E-05

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【表 3 - 4 0】

36	zinc finger protein 295 [Homo sapiens]	40254945	1	8.35E-03
37	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi	39725934	2	3.34E-08
38	kelch-like 17; actinfilin [Homo sapiens]	38194229	1	8.82E-03
39	gelsolin isoform b [Homo sapiens]	38044288	2	2.15E-08
40	KIAA0625 protein [Homo sapiens]	37620159	1	5.44E-03
41	PREDICTED: similar to RIKEN cDNA 2210009G21 [Homo sapiens]	37556081	1	4.97E-03
42	nudix (nucleoside diphosphate linked moiety X)-type motif 11 [Homo sap	37221177	1	4.64E-03
43	hypothetical protein DKFZp434O0527 [Homo sapiens]	34916026	1	7.73E-03
44	kelch-like 8 [Homo sapiens]	34101268	1	2.43E-03
45	biliverdin reductase A [Homo sapiens]	33589854	1	1.86E-03
46	bromodomain adjacent to zinc finger domain, 1A isoform a; ATP-dependen	32967603	1	1.48E-03
47	vitamin D-binding protein precursor; vitamin D-binding alpha-globulin	32483410	6	1.40E-12
48	peroxiredoxin 3 isoform b; antioxidant protein 1; thioredoxin-dependen	32483377	1	9.08E-03
49	Ral GEF with PH domain and SH3 binding motif 2; Ral-A exchange factor	32441283	1	3.25E-03
50	prostaglandin D2 synthase 21kDa; prostaglandin D synthase; prostagland	32171249	1	1.22E-09
51	hypothetical protein MGC5601; similar to acyl-CoA dehydrogenase [Homo	31543201	1	5.87E-04
52	zinc finger protein 606 [Homo sapiens]	31377839	1	9.52E-04
53	family with sequence similarity 28, member A [Homo sapiens]	31377562	1	1.71E-04
54	phosphatidylinositol-4-phosphate 5-kinase, type i, gamma; phosphatidy	31317309	1	3.65E-03
55	testis-specific protein TSP-NY isoform a [Homo sapiens]	30348972	1	5.38E-03
56	H63 breast cancer expressed gene isoform a; gene associated with HER-2	29826289	1	1.59E-03
57	plexin B3; plexin-B3; plexin 6 [Homo sapiens]	29336063	1	9.96E-03
58	eukaryotic translation initiation factor 2C, 3 isoform a; argonaute 3	29294647	1	4.80E-03
59	dual oxidase 2 precursor; dual oxidase-like domains 2; nicotinamide ad	28872753	1	2.36E-04
60	KIAA1404 protein [Homo sapiens]	28626521	1	3.58E-03
61	Bardet-Biedl syndrome 1 [Homo sapiens]	28395045	1	2.36E-03
62	zinc finger protein 545 [Homo sapiens]	28274686	1	5.96E-03
63	chromosome 14 open reading frame 8; p25 beta [Homo sapiens]	27777659	1	8.89E-03
64	membrane associated guanylate kinase interacting protein-like 1 [Homo	27735139	1	9.00E-03
65	hypothetical protein FLJ32440 [Homo sapiens]	27734761	1	3.97E-05
66	sperm associated antigen 6 isoform 2; sperm flagellar protein; axoneme	27262841	1	2.37E-04
67	mutS homolog 5 isoform a; mutS (E. coli) homolog 5 [Homo sapiens]	26638662	1	6.18E-03
68	transcription factor-like protein 4 isoform gamma; MAX-like bHLHZIP pr	24586667	1	2.12E-03
69	myosin IIIA; deafness, autosomal recessive 30 [Homo sapiens]	24566657	1	9.51E-04
70	MDN1, midasin homolog [Homo sapiens]	24415404	1	5.39E-03
71	viteliform macular dystrophy 2-like 2; bestrophin 4 [Homo sapiens]	23397576	1	6.11E-03
72	elongation of very long chain fatty acids like 3 [Homo sapiens]	23097310	1	1.06E-03
73	zinc finger protein 560 [Homo sapiens]	22749003	1	2.18E-03
74	junctophilin 1; mitsugumin72; junctophilin type1 [Homo sapiens]	21735575	1	2.43E-03

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【表 3 - 4 1】

75	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminylt	21686971	1	3.79E-03
76	hypothetical protein MGC27016 [Homo sapiens]	21450675	1	1.48E-03
77	DnaJ (Hsp40) homolog, subfamily C, member 1 [Homo sapiens]	21361912	1	3.37E-03
78	peptidoglycan recognition protein L precursor [Homo sapiens]	21361845	1	4.73E-04
79	Tax1 (human T-cell leukemia virus type I) binding protein 1; tax1-bind	21361682	1	1.14E-03
80	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotei	21361198	12	4.44E-14
81	T-cell activation kelch repeat protein [Homo sapiens]	21245132	1	5.41E-03
82	testis nuclear RNA-binding protein [Homo sapiens]	21245124	1	5.72E-03
83	alpha 1B-glycoprotein [Homo sapiens]	21071030	2	1.13E-10
84	mitogen-activated protein kinase 10 isoform 3; MAP kinase; JNK3 alpha	20986506	1	7.21E-03
85	toll-like receptor 8 isoform 1 [Homo sapiens]	20302166	1	2.90E-03
86	SLAM family member 7; CD2-like receptor activating cytotoxic cells; 19	19923572	1	5.67E-03
87	RAC/CDC42 exchange factor isoform 2 [Homo sapiens]	19311008	1	4.60E-03
88	vitronectin precursor; serum spreading factor; somatomedin B; compleme	18201911	1	1.38E-03
89	ribosomal protein L10-like protein [Homo sapiens]	18152783	1	1.50E-03
90	vacuolar protein sorting 35; maternal-embryonic 3; vacuolar protein so	17999541	1	4.10E-03
91	talin 1 [Homo sapiens]	16753233	1	6.05E-03
92	ankyrin repeat domain 30A; breast cancer antigen NY-BR-1 [Homo sapiens]	16506285	1	3.16E-03
93	cadherin 10, type 2 preproprotein; cadherin-10; T2-cadherin [Homo sapi	16306530	1	9.94E-03
94	arginyl-RNA synthetase [Homo sapiens]	15149476	1	4.28E-03
95	complement component 2 precursor; C3/C5 convertase [Homo sapiens]	14550407	1	8.23E-04
96	hypothetical protein MGC4308 [Homo sapiens]	14150167	1	7.51E-03
97	latrophilin 3; latrophilin homolog 3 (cow); lectomedin 3 [Homo sapiens]	14149677	1	9.52E-03
98	ubiquitin specific protease 15; deubiquitinating enzyme [Homo sapiens]	14149627	1	6.90E-04
99	pantothenate kinase 3; pantothenic acid kinase [Homo sapiens]	13375789	1	1.01E-03
100	solute carrier family 39 (zinc transporter), member 6; LIV-1 protein,	12751475	1	3.83E-03
101	dual specificity phosphatase 5; serine/threonine specific protein phos	12707566	1	1.07E-03
102	protease, serine, 22; protease, serine S1 family member 22; tryptase e	11545839	1	5.01E-03
103	supervillin isoform 2; membrane-associated F-actin binding protein p20	11496982	1	1.75E-03
104	alpha-2-plasmin inhibitor; alpha-2-antiplasmin [Homo sapiens]	11386143	1	3.57E-06
105	hemopexin [Homo sapiens]	11321561	9	1.55E-10
106	tuberous sclerosis 2 isoform 2; tuberin isoform 1; tuberin isoform 2;	10938008	1	2.96E-04
107	tumor necrosis factor; alpha-induced protein 1 [Homo sapiens]	10863937	1	5.50E-03
108	orosomucoid 1 precursor; alpha-1-acid glycoprotein 1; Orosomucoid-1 (al	9257232	6	6.94E-10
109	hypothetical protein FLJ20580 [Homo sapiens]	8923541	1	2.18E-03
110	ankyrin repeat and SOCS box-containing 6 isoform 1 [Homo sapiens]	8923516	1	2.02E-03
111	hypothetical protein DKFZp434H2215 [Homo sapiens]	8922138	1	1.96E-03
112	hepatoma-derived growth factor; related protein 3; hepatoma-derived gro	7705320	1	3.24E-03
113	GTPase regulator associated with the focal adhesion kinase pp125; GTPas	7662208	1	1.75E-03

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【表 3 - 4 2】

114	opticin; opticin, oculoglycan; oculoglycan [Homo sapiens]	7657419	1	1.57E-03
115	MYB binding protein 1a; p53-activated protein-2 [Homo sapiens]	7657351	1	6.25E-03
116	T-box 21; T-box expressed in T cells; T-cell-specific T-box transcript	7019549	1	2.05E-03
117	rearranged L-myc fusion sequence; Zn-15 related [Homo sapiens]	6912632	1	8.08E-03
118	RBP4 gene product [Homo sapiens]	5803139	3	1.46E-12
119	polymerase (DNA directed), delta 2, regulatory subunit; polymerase (DNA	5453924	1	9.06E-03
120	ADP-ribosylation factor guanine nucleotide-exchange factor 2; brefeldin	5453573	1	8.25E-03
121	insulin receptor substrate 1 [Homo sapiens]	5031805	1	3.11E-03
122	macrophage erythroblast attach; erythroblast macrophage protein [Homo	5031685	1	4.84E-03
123	A-kinase anchor protein 8; A-kinase anchor protein, 95kDa [Homo sapiens]	5031579	1	9.60E-03
124	general transcription factor IIH, polypeptide 1 (62kD subunit) [Homo sa	4885365	1	5.41E-03
125	haptoglobin [Homo sapiens]	4826762	3	8.18E-07
126	fragile X mental retardation-related protein 1; Fragile X mental retard	4826736	1	3.60E-03
127	cadherin 15 preproprotein; M-cadherin; muscle-cadherin; myotubule-cadhe	4826669	1	4.15E-03
128	nebulin [Homo sapiens]	4758794	1	5.35E-03
129	growth factor receptor-bound protein 14 [Homo sapiens]	4758478	1	3.32E-03
130	golgi autoantigen, golgin subfamily b, macrogolin (with transmembrane	4758454	1	5.05E-04
131	dual specificity phosphatase 8; serine/threonine specific protein phosph	4758212	1	1.48E-04
132	chimerin (chimaerin) 2; Chimerin 2 (GTPase-activating protein, rho, 3);	4757980	1	5.26E-03
133	beta-2-microglobulin precursor [Homo sapiens]	4757826	2	2.02E-11
134	general transcription factor IIIC, polypeptide 1, alpha 220kDa; general	4753161	1	9.27E-03
135	phosphodiesterase 6A, alpha subunit [Homo sapiens]	4585864	1	8.81E-03
136	transferrin; PRO2086 protein [Homo sapiens]	4557871	34	1.33E-14
137	potassium voltage-gated channel, shaker-related subfamily, member 1 [Ho	4557685	1	2.42E-03
138	ceruloplasmin (ferroxidase); Ceruloplasmin [Homo sapiens]	4557485	4	4.83E-06
139	complement component 3 precursor; acylation-stimulating protein cleavag	4557385	7	5.04E-09
140	complement component 1 inhibitor precursor [Homo sapiens]	4557379	1	1.35E-06
141	beta-2-glycoprotein I precursor [Homo sapiens]	4557327	4	2.14E-10
142	apolipoprotein A-I precursor [Homo sapiens]	4557321	10	8.46E-09
143	angiotensinogen precursor; angiotensin II precursor; pre-angiotensinoge	4557287	1	3.81E-05
144	skeletal muscle specific actinin, alpha 3 [Homo sapiens]	4557241	1	3.34E-04
145	transferrin; prealbumin [Homo sapiens]	4507725	7	2.22E-14
146	thyrotrophic embryonic factor; thyrotroph embryonic factor [Homo sapien	4507431	1	9.22E-03
147	ryanodine receptor 2 [Homo sapiens]	4506757	1	9.67E-03
148	pregnancy-zone protein; Pregnancy zone protein [Homo sapiens]	4506355	1	2.56E-06
149	plasminogen [Homo sapiens]	4505881	1	6.54E-04
150	orosomucoid 2; alpha-1-acid glycoprotein, type 2 [Homo sapiens]	4505529	2	2.73E-13
151	neogenin homolog 1; neogenin (chicken) homolog 1 [Homo sapiens]	4505375	1	6.20E-03
152	kininogen 1; alpha-2-thiol proteinase inhibitor; bradykinin [Homo sapie	4504893	3	1.66E-05

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【表 3 - 4 3】

153	interleukin 13 receptor, alpha 1 precursor, IL13 receptor alpha-1 chain	4504647	1	6.69E-03
154	interleukin 10 receptor, alpha precursor [Homo sapiens]	4504633	1	4.94E-03
155	I factor (complement) [Homo sapiens]	4504579	1	9.49E-05
156	histidine-rich glycoprotein precursor; histidine-proline rich glycoprot	4504489	1	2.37E-07
157	coagulation factor XII precursor; Hageman factor [Homo sapiens]	4503629	1	4.68E-03
158	dihydrofolate reductase [Homo sapiens]	4503323	1	5.05E-03
159	centromere protein C 1; Centromere autoantigen C1 [Homo sapiens]	4502779	1	1.98E-03
160	corticosteroid binding globulin precursor; corticosteroid binding globu	4502595	1	1.35E-03
161	complement component 9 [Homo sapiens]	4502511	1	9.42E-03
162	complement component 4B proprotein [Homo sapiens]	4502501	3	3.11E-14
163	complement factor B preproprotein; C3 proactivator; C3 proaccelerator;	4502397	4	2.63E-09
164	serine (or cysteine) proteinase inhibitor, clade C (antithrombin), memb	4502261	2	1.58E-04
165	apolipoprotein A-IV precursor [Homo sapiens]	4502151	4	4.20E-11
166	apolipoprotein A-II precursor [Homo sapiens]	4502149	4	1.72E-06
167	alpha-1-microglobulin/bikunin precursor; Alpha-1-microglobulin/bikunin	4502067	1	8.33E-11
168	albumin precursor; PRO0883 protein [Homo sapiens]	4502027	103	1.33E-14
169	alpha-2-HS-glycoprotein; Alpha-2HS-glycoprotein [Homo sapiens]	4502005	1	4.23E-03
170	afamin precursor; alpha-albumin [Homo sapiens]	4501987	1	1.10E-12
171	alpha-1-antichymotrypsin, precursor; alpha-1-antichymotrypsin; antichym	4501843	1	1.19E-05

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【表 3 - 4 4】

表 3.4: 硝子体液において同定されたタンパク質 (IV)

タンパク質	アクセッション番号	的中した ペプチド	無作為化された 同定の確率
1 PREDICTED: similar to Piccolo protein (Aczonin) [Homo sapiens]	51492882	1	9.11E-03
2 PREDICTED: similar to phosducin-like 3; phosducin-like 2; [AP-associat	51492730	1	9.80E-05
3 PREDICTED: hypothetical protein XP_498867 [Homo sapiens]	51475312	1	1.37E-03
4 PREDICTED: KIAA0179 [Homo sapiens]	51475296	1	8.94E-04
5 PREDICTED: 5-azacytidine induced 1 [Homo sapiens]	51474428	1	9.17E-03
6 PREDICTED: FLJ46675 protein [Homo sapiens]	51474152	1	6.48E-03
7 PREDICTED: similar to Golgi autoantigen, golgin subfamily A member 6 (	51472431	1	5.11E-03
8 PREDICTED: similar to centaurin, gamma-like family, member 1; ARF GTPa	51468155	1	6.34E-03
9 PREDICTED: similar to ribosomal protein L31 [Homo sapiens]	51466239	1	5.81E-04
10 PREDICTED: hypothetical protein XP_498937 [Homo sapiens]	51463864	1	3.47E-03
11 PREDICTED: cardiomyopathy associated 3 [Homo sapiens]	51460893	1	5.89E-05
12 M-phase phosphoprotein 1; mitotic kinesin-like protein [Homo sapiens]	46049114	1	4.11E-03
13 bifunctional phosphopantetheine adenyl transferase/dephospho CoA kin	46048207	1	7.22E-03
14 hypothetical protein FLJ31322 [Homo sapiens]	45387953	1	1.29E-03
15 mitofusin 1 isoform 1; putative transmembrane GTPase [Homo sapiens]	45269137	1	9.39E-03
16 KIAA0317 [Homo sapiens]	42734315	1	5.58E-03
17 clusterin isoform 1; complement-associated protein SP-40 [Homo sapiens	42716297	4	1.66E-10
18 PREDICTED: hypothetical protein XP_376099 [Homo sapiens]	42656388	1	6.07E-03
19 nuclear receptor coactivator 7; estrogen receptor associated protein 1	42476175	1	6.25E-03
20 semaphorin 3D; collapsin 2 [Homo sapiens]	41406086	1	5.79E-04
21 importin 13; Ran binding protein 13; karyopherin 13 [Homo sapiens]	41281425	1	1.49E-04
22 PREDICTED: hypothetical protein XP_373740 [Homo sapiens]	41222847	2	1.59E-03
23 U5 snRNP-specific protein, 116 kD [Homo sapiens]	41152056	1	1.88E-03
24 PREDICTED: hypothetical protein LOC285335 [Homo sapiens]	41146536	1	2.58E-03
25 dickkopf homolog 3; RIG-like 7-1; RIG-like 5-6; dickkopf (Xenopus laevis	40548389	1	2.56E-04
26 retinitis pigmentosa 1-like 1 [Homo sapiens]	40255278	1	5.54E-03
27 hypothetical protein LOC168850 [Homo sapiens]	39753953	1	6.17E-03
28 serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi	39725934	6	1.03E-08
29 FLJ25005 protein [Homo sapiens]	38570111	1	6.94E-03
30 pancreatic ribonuclease precursor; RNase upl-1 [Homo sapiens]	38201682	1	1.20E-04
31 gelsolin isoform b [Homo sapiens]	38044288	2	7.08E-08
32 sodium-dependent organic anion transporter [Homo sapiens]	37537552	1	6.81E-05
33 hypothetical protein DKFZp434O0527 [Homo sapiens]	34916026	1	7.81E-04

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【表 3 - 4 5】

34	zinc finger protein 135 (clone pHZ-17); zinc finger protein 61 [Homo s	34419633	1	8.75E-03
35	hypothetical protein MGC35261 [Homo sapiens]	33859793	1	1.07E-03
36	transmembrane channel-like 7 [Homo sapiens]	33636691	1	5.84E-03
37	glycosyltransferase-like 1B; ortholog of mouse glycosyltransferase-like	33285008	1	9.33E-03
38	cardiomyopathy associated 5; 2310076E16Rik [Homo sapiens]	32698780	1	8.25E-03
39	cytosolic ovarian carcinoma antigen 1 isoform b; APK1 antigen [Homo sa	32528291	1	2.72E-03
40	vitamin D-binding protein precursor; vitamin D-binding alpha-globulin	32483410	4	1.49E-13
41	cytosolic phosphoenolpyruvate carboxykinase 1; phosphoenolpyruvate car	32483401	1	4.79E-03
42	prostaglandin D2 synthase 21kDa; prostaglandin D synthase; prostagland	32171249	1	7.44E-07
43	hypothetical protein FLJ38973 [Homo sapiens]	31581541	1	1.93E-03
44	eukaryotic translation initiation factor 2C, 3 isoform a; argonaute 3	29294647	1	3.35E-03
45	notch4 preproprotein; Notch (Drosophila) homolog 4 [Homo sapiens]	27894370	1	5.09E-04
46	nucleoporin 210; nuclear pore membrane glycoprotein 210 [Homo sapiens]	27477134	1	9.34E-03
47	transcription factor-like protein 4 isoform gamma; MAX-like bHLZIP pr	24586667	1	8.39E-03
48	serine/threonine kinase 36 (fused homolog, Drosophila); serine/threoni	24308123	1	2.26E-03
49	cytoplasmic FMR1 interacting protein 1; selective hybridizing clone (m	24307969	1	1.25E-03
50	zinc finger protein 560 [Homo sapiens]	22749003	1	1.43E-03
51	junctionophilin 1; mitsugumin72; junctionophilin type1 [Homo sapiens]	21735575	1	2.50E-03
52	zinc finger protein 625 [Homo sapiens]	21687161	1	6.05E-03
53	chromosome 10 open reading frame 87; EmrAC061711.1 [Homo sapiens]	21389373	1	4.19E-03
54	PAP associated domain containing 1 [Homo sapiens]	21361704	1	4.69E-04
55	transient receptor potential cation channel, subfamily M, member 8 [Ho	21361691	1	3.58E-04
56	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotei	21361198	6	1.60E-10
57	alpha 1B-glycoprotein [Homo sapiens]	21071030	2	2.75E-07
58	proprotein convertase subtilisin/kexin type 5 preproprotein; protease	20336246	1	1.54E-04
59	vitronectin precursor; serum spreading factor; somatomedin B; compleme	18201911	1	4.77E-05
60	ribosomal protein L10-like protein [Homo sapiens]	18152783	1	1.59E-03
61	ubiquitin specific protease 28 [Homo sapiens]	16507200	1	8.91E-03
62	E1A binding protein p400; CAGH32 protein; trinucleotide repeat contain	15805014	1	4.47E-03
63	postreplication repair protein hRAD18p; RAD18, S. cerevisiae, homolog	14550405	1	2.76E-03
64	hypothetical protein MGC10882 [Homo sapiens]	14249240	1	6.22E-05
65	hypothetical protein MGC4308 [Homo sapiens]	14150167	1	7.84E-03
66	dual specificity phosphatase 5; serine/threonine specific protein phos	12707566	1	1.12E-04
67	crystallin, beta A3; eye lens structural protein [Homo sapiens]	12056461	3	2.72E-10
68	SH3 and multiple ankyrin repeat domains 1; somatostatin receptor-inter	11968152	1	8.27E-04
69	fibrinogen, gamma chain isoform gamma-B precursor [Homo sapiens]	11761633	1	3.10E-11
70	potassium channel, subfamily K, member 12; tandem pore domain potassiu	11545761	1	4.26E-04
71	kallikrein 14 preproprotein; kallikrein-like protein 6 [Homo sapiens]	11545747	1	3.25E-04
72	supervillin isoform 2; membrane-associated F-actin binding protein p20	11496982	1	2.86E-03

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【表 3 - 4 6】

73	prosaposin (variant Gaucher disease and variant metachromatic leukodys	11386147	1	1.13E-04
74	succinate-CoA ligase, ADP-forming, beta subunit; SCS-betaA for ATP spe	11321583	1	5.79E-03
75	hemopexin [Homo sapiens]	11321561	5	2.68E-05
76	ATP-binding cassette, sub-family F, member 1; ATP-binding cassette 50;	10947135	1	6.21E-03
77	EGF-containing fibulin-like extracellular matrix protein 1 isoform b; f	9665253	3	1.10E-10
78	orosomucoid 1 precursor; alpha-1-acid glycoprotein 1; Orosomucoid-1 (al	9257232	1	3.85E-08
79	hypothetical protein FLJ20626 [Homo sapiens]	8923582	1	3.88E-03
80	hypothetical protein FLJ20580 [Homo sapiens]	8923541	1	8.20E-04
81	crystallin, gamma S; crystallin, gamma 8 [Homo sapiens]	8922120	2	1.57E-11
82	cleavage and polyadenylation specific factor 3, 73kDa; cleavage and pol	7706427	1	1.10E-03
83	glyceraldehyde-3-phosphate dehydrogenase [Homo sapiens]	7669492	1	7.38E-07
84	GTPase regulator associated with the focal adhesion kinase pp125; GTPas	7662208	1	1.08E-03
85	opticin; opticin, oculoglycan; oculoglycan [Homo sapiens]	7657419	1	3.15E-09
86	plasma glutathione peroxidase 3 precursor [Homo sapiens]	6006001	2	6.81E-10
87	Wnt inhibitory factor-1 precursor; Wnt inhibitory factor-1 [Homo sapien	6005950	1	8.17E-04
88	RBP4 gene product [Homo sapiens]	5803139	1	1.46E-03
89	tripeptidyl-peptidase I precursor [Homo sapiens]	5729770	1	3.73E-05
90	translocase of inner mitochondrial membrane 23 (yeast) homolog; translo	5454122	1	5.15E-03
91	structural maintenance of chromosomes 2-like 1; structural maintenance	5453591	1	2.58E-03
92	nebulin [Homo sapiens]	4758794	1	9.60E-03
93	dual specificity phosphatase 8; serine/threonine specific protein phosph	4758212	1	4.25E-05
94	beta-2-microglobulin precursor [Homo sapiens]	4757826	2	3.04E-08
95	phosphodiesterase 6A, alpha subunit [Homo sapiens]	4585864	1	2.08E-04
96	transferrin; PRO2085 protein [Homo sapiens]	4557871	34	8.64E-13
97	galactosylceramidase precursor; galactocerebrosidase; Galactosylceramin	4557613	1	4.63E-04
98	ceruloplasmin (ferroxidase); Ceruloplasmin [Homo sapiens]	4557485	4	2.10E-08
99	complement component 3 precursor; acylation-stimulating protein cleavag	4557385	4	1.12E-09
100	complement component 1 inhibitor precursor [Homo sapiens]	4557379	1	3.36E-07
101	beta-2-glycoprotein I precursor [Homo sapiens]	4557327	1	3.73E-08
102	apolipoprotein E precursor; apolipoprotein E3 [Homo sapiens]	4557325	2	4.77E-09
103	apolipoprotein A-I precursor [Homo sapiens]	4557321	6	2.84E-09
104	alpha-2-macroglobulin precursor [Homo sapiens]	4557225	1	6.33E-04
105	chitinase 3-like 1; cartilage glycoprotein-39 [Homo sapiens]	4557018	1	9.78E-06
106	transferrin; prealbumin [Homo sapiens]	4507725	8	8.88E-15
107	SRY (sex determining region Y)-box 4; SRY-related HMG-box gene 4; ecotr	4507163	1	5.28E-03
108	ribosomal protein S4, Y-linked 1 Y isoform; 40S ribosomal protein S4, Y	4506727	1	8.87E-05
109	RBP3 gene product [Homo sapiens]	4506453	4	1.63E-09
110	plasminogen [Homo sapiens]	4505881	1	2.12E-04
111	orosomucoid 2; alpha-1-acid glycoprotein, type 2 [Homo sapiens]	4505529	2	4.67E-06

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【表 3 - 4 7】

112	kininogen 1; alpha-2-thiol proteinase inhibitor; bradykinin [Homo sapie	4504893	1	3.72E-04
113	I factor (complement) [Homo sapiens]	4504579	1	9.70E-07
114	histidine-rich glycoprotein precursor; histidine-proline rich glycoprot	4504489	1	5.05E-08
115	beta globin; hemoglobin beta chain [Homo sapiens]	4504349	2	3.04E-07
116	alpha 2 globin; alpha globin; alpha-2 globin [Homo sapiens]	4504345	1	4.25E-04
117	cathepsin D preproprotein [Homo sapiens]	4503143	2	8.90E-04
118	crystallin, beta B2; eye lens structural protein [Homo sapiens]	4503063	1	5.59E-06
119	crystallin, beta B1; eye lens structural protein [Homo sapiens]	4503061	6	5.62E-08
120	crystallin, alpha B; heat-shock 20 kD like-protein [Homo sapiens]	4503057	2	1.53E-06
121	crystallin, alpha A; crystallin, alpha-1; human alphaA-crystallin (CRYA	4503055	4	5.90E-05
122	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal) [Homo s	4502823	1	3.30E-03
123	centromere protein C 1; Centromere autoantigen C1 [Homo sapiens]	4502779	1	1.23E-03
124	complement component 4B proprotein [Homo sapiens]	4502501	6	2.35E-06
125	complement factor B preproprotein; C3 proactivator; C3 proaccelerator;	4502397	2	6.20E-08
126	serine (or cysteine) proteinase inhibitor, clade C (antithrombin), memb	4502261	3	1.03E-06
127	apolipoprotein A-II precursor [Homo sapiens]	4502149	1	1.39E-06
128	albumin precursor; PRO0883 protein [Homo sapiens]	4502027	66	3.00E-14
129	alpha-2-HS-glycoprotein; Alpha-2HS-glycoprotein [Homo sapiens]	4502005	1	3.79E-04
130	alkylglycerone phosphate synthase precursor [Homo sapiens]	4501993	1	5.09E-03
131	afamin precursor; alpha-albumin [Homo sapiens]	4501987	1	4.49E-07
132	alpha-1-antichymotrypsin, precursor; alpha-1-antichymotrypsin; antichym	4501843	1	2.45E-04

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【表 3 - 4 8】

表 3.5 全硝子体切除により三人の患者において同定された硝子体液のタンパク質 (V)

参考	アクセッション	MW	P (確率)	患者
1	Serum albumin precursor P02768	69321.63	1.00E-30	CC,TR,NT
2	Alpha 2 globin variant (Fragment) Q53F97	15270.94	1.00E-30	CC,TR,NT
3	Serotransferrin precursor P02787	76989.66	1.44E-14	CC,TR,NT
1	Hemoglobin delta subunit P02042	15914.25	3.72E-13	CC,TR,NT
2	Alpha-1-acid glycoprotein 1 precursor P02763	23496.77	3.08E-10	CC,TR,NT
3	IGLC2 protein Q567P1	24784.13	1.05E-11	CC,TR,NT
4	Clusterin precursor P10909	52461.05	1.87E-08	CC,TR,NT
5	Beta-globin gene from a thalassemia patient Q14473	18918.59	1.67E-14	CC,TR,NT
6	Hypothetical protein FLJ16039 Q6ZNI2	79911.39	1.27E-03	CC,TR,NT
7	Voltage-dependent N-type calcium channel alpha-1B subunit Q00975	262326.3	1.38E-04	CC,TR,NT
8	Transferrin precursor P02766	15877.05	1.00E-30	TR,CC
9	Ig gamma-1 chain C region P01857	38083.16	2.68E-13	TR,CC
10	Pigment epithelium-derived factor precursor P36955	48313.36	2.54E-12	CC,TR
11	Collagen alpha 1(I) chain precursor P02458	134410.6	2.28E-07	TR,CC
12	Hemopexin precursor P02790	51643.32	1.00E-30	CC,TR
13	Alpha-2-macroglobulin precursor P01023	163174.3	5.92E-13	CC,TR
14	Alpha-1-antitrypsin precursor P01009	46707.09	3.42E-13	CC,TR
15	Interphotoreceptor retinoid-binding protein precursor P10745	135277.8	3.33E-15	TR,CC
16	Hypothetical protein Q569I7	20655.36	9.77E-14	TR,CC
17	Hypothetical protein DKFZp686I04196 (Fragment) Q6N093	46031.66	1.15E-10	TR,CC
18	Opticin precursor (Oculoglycan) Q9UBM4	37237.39	1.70E-13	CC,TR
19	Complement C4-A precursor P0C0L4	192649.5	3.64E-13	CC,TR
20	IGKC protein Q502W4	25919.92	1.00E-30	CC,TR
21	Glutathione peroxidase 3 precursor P22352	25488.96	1.97E-09	CC,TR
22	Prostaglandin-H2 D-isomerase precursor P41222	21015.35	8.44E-14	CC,TR
23	Apolipoprotein A-I precursor P02647	30758.94	3.33E-09	CC,TR
24	Vitamin D-binding protein Q6GTG1	52902.04	8.22E-14	CC,TR
25	VH1 protein precursor (Fragment) Q95978	17292.5	1.44E-07	CC,TR
26	Hypothetical protein DKFZp686G2174 Q83HK5	118419.6	2.48E-03	TR,CC
27	Apolipoprotein A-II precursor P02652	11167.9	7.31E-11	CC,TR
28	Keratin, type I cytoskeletal 9 P35527	62091.76	1.00E-30	TR,CC
29	Haptoglobin precursor P00738	45176.59	6.64E-10	TR,CC
30	Ceruloplasmin precursor P00450	122127.6	5.53E-08	TR,CC

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【表 3 - 4 9】

31	Alpha crystallin B chain	P02511	20146.43	1.80E-07	NT,CC
32	Dickkopf-related protein 3 precursor	Q9UBP4	38266.07	1.29E-05	TR,CC
33	Ig gamma-3 chain C region	P01860	32309.81	3.71E-13	CC,TR
34	Adenosine A3 receptor	P33765	36160.19	1.70E-03	CC,NT
35	Solute carrier organic anion transporter family member 5A1	Q9HZY9	91818.61	2.31E-03	CC,TR
36	Complement C3 precursor	P01024	187045.3	1.11E-15	CC
37	Keratin, type II cytoskeletal 1	P04264	65846.88	3.59E-12	TR
38	Carbonic anhydrase 1	P00915	28721.34	4.94E-13	NT
39	Beta crystallin S	P22914	20861.95	4.62E-13	NT
40	Peroxiredoxin 2	P32119	21747.2	1.00E-30	NT
41	Alpha crystallin A chain	P02489	19896.9	6.75E-07	NT
42	Osteopontin precursor	P10451	35401.25	9.00E-11	CC
43	Keratin, type I cytoskeletal 10	P13645	59482.76	1.49E-12	TR
44	Keratin, type II cytoskeletal 2	P35908	65825.37	5.53E-08	TR
45	Calcineurin-binding protein Cabin 1	Q9Y6J0	246194.6	3.19E-03	NT
46	Ig heavy chain V-III region	P01764	12574.22	9.50E-08	TR
47	Beta crystallin B2	P43320	23234.38	8.03E-11	NT
48	Alpha-1B-glycoprotein precursor	P04217	54238.7	1.51E-08	CC
49	Integrin alpha-5 precursor	P08648	114464.9	5.43E-04	NT
50	Alpha-1-acid glycoprotein 2 precursor	P19652	23587.64	4.04E-13	CC
51	Peroxiredoxin 1	Q06830	22096.28	4.12E-06	NT
52	Hypothetical protein DKFZp781M0386	Q5CZ94	24986.3	9.70E-05	CC
53	Hypothetical protein DKFZp686M24218	Q6MZK7	52387.13	3.02E-13	CC
54	NIR3	Q9BZ72	148839.5	4.48E-06	NT
55	Plasma protease C1 inhibitor precursor	P05155	55119.49	1.54E-04	CC,TR
56	Calmodulin binding transcription activator 1	Q5VUE1	183554.8	1.46E-03	TR,CC
57	Hypothetical protein FLJ16692	Q6ZMT6	16180.33	1.09E-03	CC,TR
58	Haptoglobin-related protein precursor	P00739	38982.66	8.59E-07	CC
59	Cystatin C precursor	P01034	15789.08	2.31E-04	CC
60	tRNA (guanine-N(7)-)methyltransferase	Q9UBP6	31451.11	3.95E-05	NT
61	Calsynenin-1 precursor	O94985	109723.7	1.10E-05	CC
62	Carbonic anhydrase 2	P00918	29096.89	2.58E-05	NT
63	Amyloid-like protein 2 precursor	Q06481	86900.28	5.97E-03	CC
64	Elastic titin (Fragment)	Q10465	882501.8	6.73E-04	CC
65	Collagen alpha 2(IX) chain precursor	Q14055	65090.96	6.00E-08	TR
66	Hypothetical protein DKFZp686J11235 (Fragment)	Q6MZW0	54424.95	1.06E-05	CC

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【表 3 - 5 0】

67	L-lactate dehydrogenase A-like 6A	Q6ZMR3	36484.2	2.33E-04	NT
68	Spectrin alpha chain, erythrocyte	P02549	279742.3	2.09E-05	NT
69	Plasma retinol-binding protein precursor	P02753	22995.26	1.33E-13	TR
70	Tripeptidyl-peptidase I precursor	O14773	61190.67	1.00E-30	CC
71	Toll-like receptor 3 precursor	O15455	103762.9	4.01E-03	NT
72	SART-1 (Squamous cell carcinoma antigen recognized by T cells 1)	O43290	90200.29	8.43E-03	TR
73	KIAA0425 protein (Fragment)	O43308	141056.5	1.74E-03	NT
74	Chondromodulin-I precursor	O75829	37078.55	5.16E-10	TR
75	Arginyl-tRNA--protein transferase 1	O85280	59052.28	6.80E-03	CC
76	Beta-tubulin cofactor D	O85458	138562.4	6.55E-03	CC
77	Prothrombin precursor	P00734	69992.2	1.44E-04	TR
78	Complement factor B precursor	P00751	85478.58	5.53E-04	CC
79	Alpha-1-antichymotrypsin precursor	P01011	47620.63	9.77E-06	CC
80	Angiotensinogen precursor	P01019	53120.61	5.32E-05	CC
81	Keratin, type I cytoskeletal 14	P02533	51458.45	2.83E-04	TR
82	Apolipoprotein E precursor (Apo-E)	P02649	36131.79	8.83E-07	CC
83	Fibrinogen gamma chain precursor	P02679	51478.88	4.23E-05	CC
84	Band 3 anion transport protein	P02730	101727.8	1.72E-06	NT
85	AMBP protein precursor	P02760	38973.99	6.52E-04	CC
86	Catalase	P04040	59587.83	3.92E-04	NT
87	Kruessel-related zinc finger protein 2	P10073	12059.54	4.92E-03	NT
88	Versican core protein precursor	P13611	372589	2.27E-06	CC
89	Guanine nucleotide-binding protein	P19087	40019.09	2.61E-04	TR
90	Inter-alpha-trypsin inhibitor heavy chain H2 precursor	P19823	106369.8	2.75E-03	CC
91	Inter-alpha-trypsin inhibitor heavy chain H1 precursor	P19827	101325.8	3.23E-03	TR
92	Large proline-rich protein BAT3	P46379	119334.2	3.20E-04	NT
93	Cadherin-8 precursor	P55286	88198.66	1.68E-03	CC
94	Low-density lipoprotein receptor-related protein 2 precursor	P98164	521587.6	3.27E-05	CC
95	Galectin-3 binding protein precursor	Q08380	65289.4	8.46E-07	TR
96	EGF-containing fibulin-like extracellular matrix protein 1 precursor	Q12805	54604.29	1.62E-03	CC
97	Ectonucleotide pyrophosphatase/phosphodiesterase 2	Q13822	98939.61	1.61E-04	CC
98	Keratin 10	Q14664	57212.99	8.68E-03	TR
99	Hypothetical protein FLJ25351	Q53TS8	71114	4.40E-04	TR
100	KIAA0467 protein	Q5T011	230969.8	3.37E-03	CC
101	OTTHUMP00000018325	Q5VW09	53975.58	8.38E-04	CC
102	LOC150763 protein	Q6NUJ2	87507.18	9.17E-05	CC

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【表 3 - 5 1】

103	Hypothetical protein	Q6PHR9	9188.304	2.03E-03	CC
104	TROAP protein	Q6PUJ7	15883.54	5.01E-03	CC
105	QMDP9344	Q6UXP3	13598.86	6.72E-03	CC
106	Nicotinate phosphoribosyltransferase-like protein	Q6XQN6	60239.51	6.56E-03	TR
107	Hypothetical protein FLJ26301	Q6ZP85	25787.31	7.38E-03	TR
108	Hypothetical protein FLJ46155	Q6ZRR8	15002.66	2.28E-03	TR
109	ABC A13	Q6UQ4	575811.8	5.71E-03	NT
110	FLJ35848 protein (Fragment)	Q8IVZ7	41676.67	4.20E-03	NT
111	Hypothetical protein FLJ38687	Q8N8Z1	16623.52	1.77E-04	TR
112	Unc-13 homolog C	Q8NB66	135534.9	3.92E-03	TR
113	Hypothetical protein DKFZp434D011	Q8NDL9	97472.62	2.27E-03	CC
114	Tubulin tyrosine ligase-like protein 11	Q8NHH1	57998.14	7.78E-03	TR
115	CLL-associated antigen KW-2	Q8TDG9	96521.61	2.07E-03	TR
116	Hypothetical protein FLJ22955	Q8WVC6	26533.31	6.76E-03	CC
117	Very large G protein-coupled receptor 1b	Q8WVG9	692246.9	1.95E-03	CC
118	Keratin, type I	Q92764	47566.21	9.34E-04	TR
119	Secreted frizzled-related protein 3 precursor	Q92765	36230.29	5.24E-03	TR
120	Hypothetical protein FLJ32955	Q96LZ6	14450.25	1.39E-03	NT
121	Olfactory receptor 4K3	Q96R72	35354.45	7.73E-03	NT
122	Protein LRP16	Q9BQ69	35482.73	7.20E-04	NT
123	DNA-directed RNA polymerase III	Q9BUJ4	60573.35	1.78E-03	CC
124	Glucose-6-phosphatase catalytic subunit 3	Q9BJM1	38709.14	9.22E-03	CC
125	Dynein intermediate chain 2	Q9GZS0	68807.61	8.69E-06	TR
126	Hypothetical protein DKFZp434F0116	Q9H0J7	53323.07	1.44E-03	NT
127	Presenilins associated rhomboid-like protein	Q9H300	42176.74	2.85E-03	CC
128	Hypothetical protein FLJ12973	Q9H967	69709.27	5.73E-03	TR
129	Sideroflexin-1	Q9H9B4	35465.31	1.82E-03	TR
130	Tumor necrosis factor receptor superfamily member 19 precursor	Q9NS68	45984.76	6.37E-04	CC
131	Protein C6orf72 precursor	Q9NU53	36817.27	6.18E-04	CC
132	Leucyl-tRNA synthetase	Q9P2J5	134379.5	8.03E-03	NT
133	Neurochondrin-1	Q9UBB6	78813.82	5.91E-03	CC
134	MAX-like protein X	Q9UH92	33279.74	4.11E-03	TR
135	Zinc finger transcription factor Trps1	Q9UHF7	141432.2	5.45E-03	CC
136	Wnt inhibitory factor 1 precursor	Q9Y5W5	41499.8	7.84E-05	CC
137	Mitotic spindle assembly checkpoint protein MAD1	Q9Y6D9	83015.71	4.43E-03	CC
138	Piccolo protein (Aczonin)	Q9Y6V0	566313.1	7.26E-03	CC

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【表 4 - 1】

表 4 : 死体サンプルの硝子体液において同定されたタンパク質 (I V)

	タンパク質	アクセッ ション	MW	P (確率)	患者 I D
1	Serum albumin precursor	P02768	69321.63	1.00E-30	0541;0535;0560;0556;0567;0571;0552;0578;0549;0574
2	Transferrin precursor	P02766	15877.05	1.00E-30	0571;0571;0549;0574;0535;0567;0560;0578;0556;0552
3	Serotransferrin precursor	P02787	76999.66	1.11E-15	0541;0535;0541;0556;0552;0574;0549;0560;0578;0571
4	Alpha-1-antitrypsin precursor	P01009	46707.09	1.00E-30	0560;0535;0556;0549;0571;0574;0578;0560;0567;0541
5	Alpha-1-acid glycoprotein 1 precursor	P02763	23496.77	5.14E-13	0535;0535;0549;0578;0556;0552;0560;0574;0541;0567
6	Ig gamma-1 chain C region	P01857	36083.16	1.11E-15	0556;0535;0549;0556;0552;0574;0567;0571;0578;0560
7	Clusterin precursor	P10909	52461.05	3.36E-13	0574;0567;0535;0556;0549;0578;0541;0571;0560;0574
8	Ceruloplasmin precursor	P00450	122127.6	7.77E-15	0541;0549;0578;0571;0567;0535;0541;0574;0556;0552
9	Pigment epithelium-derived factor precursor	P36955	46313.36	1.65E-13	0541;0535;0571;0549;0541;0578;0560;0552;0567;0574
10	Apolipoprotein E precursor	P02649	36131.79	6.22E-14	0541;0574;0571;0578;0549;0560;0567;0556;0541;0552
11	Complement C4-A precursor	P000L4	192649.5	1.52E-13	0556;0535;0556;0549;0541;0571;0560;0567;0552;0578
12	Interphotoreceptor retinoid-binding protein precursor	P10745	135277.8	1.00E-30	0541;0578;0549;0571;0567;0552;0556;0541;0560
13	Cystatin C precursor	P01034	15788.08	4.43E-13	0567;0560;0567;0571;0574;0552;0556;0541;0535
14	Vitamin D-binding protein	Q66TG1	52902.04	9.99E-15	0552;0578;0556;0549;0560;0552;0541;0571;0567;0574
15	Plasma protease C1 inhibitor precursor	P05155	55119.49	1.28E-11	0567;0541;0535;0571;0549;0567;0574;0578;0552;0560
16	Beta-2-microglobulin precursor	P61769	13705.91	1.11E-16	0556;0560;0535;0552;0556;0574;0567;0549;0578;0571
17	Hemopexin precursor	P02790	51643.32	1.22E-14	0541;0552;0560;0549;0574;0535;0578;0571;0541
18	Alpha-2-macroglobulin precursor	P01023	163174.3	1.11E-15	0552;0560;0571;0578;0567;0549;0535;0574;0541;0556

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【表 4 - 2】

19	IGKC protein	Q502W4	25919.92	1.22E-14	0571;0552;0574;0549;0560;0556;0535;0571;0567
20	IGLC2 protein	Q567P1	24784.13	7.77E-14	0552;0571;0552;0578;0560;0556;0567;0549;0574;0541
21	Osteopontin precursor	P10451	35401.25	2.22E-14	0541;0549;0556;0571;0578;0552;0574;0567;0560
22	Dickkopf-related protein 3 precursor	Q9UBP4	38266.07	1.11E-15	0567;0535;0578;0541;0556;0567;0549;0574;0560
23	Complement C3 precursor	P01024	187045.3	2.11E-14	0552;0549;0567;0574;0560;0571;0541;0552;0535;0578
24	Alpha-1-antichymotrypsin precursor	P01011	47620.63	1.22E-14	0574;0556;0578;0574;0541;0560;0571;0549;0552
25	Prostaglandin-H2 D-isomerase precursor	P41222	21015.35	1.00E-30	0567;0541;0552;0548;0574;0578;0571;0556
26	Alpha-1-acid glycoprotein 2 precursor	P19652	23587.64	3.33E-15	0552;0535;0549;0578;0552;0556;0571;0574;0560;0567
27	EGF-containing fibulin-like extracellular matrix protein 1 precursor	Q12805	54604.29	3.44E-12	0541;0541;0549;0571;0567;0560;0535;0574;0578;0556
28	Wnt inhibitory factor 1 precursor	Q9Y5W5	41499.8	7.44E-09	0567;0578;0560;0567;0535;0541;0549;0552;0556
29	Ig gamma-3 chain C region	P01860	32309.81	3.82E-10	0578;0571;0549;0567;0552;0541;0574;0556;0560
30	OTTHUMP00000018139 (Fragment)	Q5T2J8	97147.08	9.78E-05	0535;0571;0578;0549;0567;0535;0574;0541;0556;0560
31	Glutathione peroxidase 3 precursor	P22362	25488.98	8.40E-13	0574;0556;0552;0541;0549;0574;0571;0567;0560
32	Apolipoprotein A-I precursor	P02847	30758.94	2.00E-14	0535;0556;0541;0552;0571;0535;0574;0567;0560
33	Opticin precursor (Oculoglycan)	Q8UBM4	37237.39	2.44E-14	0567;0578;0552;0574;0560;0571;0556;0549;0541
34	Amyloid-like protein 2 precursor	Q06481	86900.28	1.42E-11	0574;0571;0541;0567;0560;0552;0578
35	Gelsolin precursor	P06396	85644.25	1.00E-30	0567;0556;0549;0567;0571;0574;0578;0541;0560
36	Rho-GTPase-activating protein 26	Q8UNA1	92176.67	3.74E-04	0552;0549;0571;0560;0574;0541;0552;0578;0556
37	Glyceraldehyde-3-phosphate dehydrogenase	P04406	35899.38	2.10E-12	0560;0549;0578;0556;0574;0552;0571;0541
38	Haptoglobin precursor	P00738	45176.59	5.90E-10	0556;0552;0549;0541;0535;0567;0560;0578
39	Lysozyme C precursor	P61626	16526.29	1.00E-30	0571;0552;0560;0574;0541;0549
40	Von Ebner's gland protein precursor	P31025	19237.81	5.66E-14	0571;0574;0560;0552;0548;0578

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【表 4 - 3】

41	Apolipoprotein A-II precursor	P02652	1.16E-11	11167.9	0574;0552;0556;0535;0541;0560;0567
42	Fibrinogen alpha chain precursor	P02671	1.37E-12	94914.27	0552;0535;0560;0578;0549;0541;0571
43	Haptoglobin-related protein precursor	P00739	9.25E-10	38982.86	0556;0541;0552;0549;0535;0567
44	Angiotensinogen precursor	P01019	2.27E-12	53120.61	0556;0552;0571;0560;0541;0567;0574
45	Lysosomal trafficking regulator	Q99698	8.85E-06	428865.6	0574;0578;0567;0560;0556;0541;0571
46	Carboxypeptidase	P16870	5.48E-12	53117.17	0567;0541;0571;0574;0578;0552
47	Hypothetical protein DKFZp686J11235	Q6MZW0	4.37E-13	54424.95	0571;0552;0578;0535;0574
48	Cathepsin D precursor	P07339	8.15E-11	44523.86	0552;0556;0549;0560;0571;0552;0578;0574;0567
49	AMBP protein precursor	P02760	8.60E-10	38973.99	0574;0535;0549;0552;0560;0541;0578;0567
50	Complement factor B precursor	P00751	1.75E-08	85478.59	0549;0567;0552;0541;0556;0535;0560
51	Beta-2-glycoprotein I precursor	P02749	3.44E-14	38272.67	0549;0535;0556;0541;0552;0571
52	Lactoferrin precursor	P02788	6.66E-15	78288.06	0571;0552;0560;0574;0541
53	Prolactin-inducible protein precursor	P12273	3.17E-12	16561.8	0560;0552;0571;0574
54	Neogenin precursor	Q82859	3.55E-03	159859.3	0578;0541;0578;0549;0571;0560;0558;0552;0574
55	Alpha-actinin 3	Q08043	9.07E-04	103229.2	0571;0541;0560;0567;0574;0535;0556;0578
56	Beta crystallin B2	P43320	3.11E-14	23234.38	0549;0574;0541;0556;0560;0535
57	Hemoglobin delta subunit	P02042	3.89E-14	15914.25	0552;0578;0535;0560;0571
58	Plasma retinol-binding protein precursor	P02753	9.33E-14	22995.26	0549;0560;0574;0567;0552;0556;0535;0549;0571
59	Centrosomal protein of 110 kDa	Q43303	1.18E-03	113370.6	0541;0556;0574;0567;0552;0578;0560
60	Creatine kinase B-type	P12277	2.00E-14	42617.37	0560;0578;0552;0556;0574;0571
61	Hypothetical protein	Q56917	3.33E-13	20655.36	0535;0552;0578;0556;0571;0574
62	Polymeric-immunoglobulin receptor precursor	P01833	8.66E-14	83261.7	0571;0552;0578;0574

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【表 4 - 4】

63	Epididymal secretory protein E1 precursor	P61916	16559.49	3.80E-11	0578;0574;0560;0567;0556;0552;0571;0535;0549
64	Tumor-associated hydroquinone oxidase	Q16206	70037.12	1.03E-03	0578;0552;0574;0567;0548;0560;0556;0578;0535
65	Hypothetical protein (Fragment)	Q96B19	12421.42	2.11E-03	0567;0578;0560;0541;0574;0548;0552;0556
66	Hypothetical protein DKFZp686i04196 (Fragment)	Q6N093	46031.66	1.19E-10	0535;0578;0552;0556;0567;0571
67	Type III iodothyronine deiodinase	P55073	31383.73	1.23E-05	0571;0541;0567;0560;0578
68	Beta-globin gene from a thalassemia patient	Q14473	18918.59	1.32E-13	0552;0560;0578;0571
69	Hypothetical protein FLJ38687	Q8N821	16623.52	1.19E-03	0541;0574;0535;0571;0556;0578;0552;0560
70	Complement factor I precursor	P05156	65676.66	5.73E-09	0552;0541;0574;0571;0567;0556;0560
71	Hypothetical protein	Q6PHR9	9188.304	8.51E-04	0574;0552;0535;0571;0578;0556;0541
72	Alpha-enolase	P06733	47008.33	1.00E-30	0574;0560;0571;0578;0567;0549
73	DEAH (Asp-Glu-Ala-His) box polypeptide 29	Q7Z478	155178.3	2.50E-03	0578;0552;0567;0556;0571;0560
74	PH domain containing protein	Q8TD55	53317.19	2.16E-04	0560;0556;0541;0574;0571;0567
75	Phosphoglycerate kinase 1	P00558	44455.11	4.93E-12	0560;0578;0556;0541
76	GTP-AMP phosphotransferase mitochondrial	Q9ULJ7	25418.51	1.22E-03	0578;0556;0567;0552;0571;0560;0541
77	Hypothetical protein FLJ42076	Q6ZVU4	21036.72	4.61E-04	0535;0567;0571;0560;0552;0574
78	Antithrombin III variant	Q7KZ97	52657.96	8.82E-11	0556;0552;0541;0535;0574;0560
79	Hypothetical protein FLJ32091	Q96MP4	81413.94	1.13E-03	0578;0549;0552;0535;0574;0541
80	WUGSC:H_2G3A.1 protein	Q99993	60051.64	1.27E-04	0552;0574;0571;0567;0560;0541
81	Triosephosphate isomerase	P60174	26521.7	2.90E-10	0560;0578;0556
82	Phosphatidylethanolamine-binding protein	P30086	20912.63	5.71E-10	0578;0560;0552
83	Arginyl-tRNA synthetase	P54136	75330.97	1.61E-03	0541;0578;0556;0574;0560;0567;0571;0549
84	Tripeptidyl-peptidase I precursor	O14773	61190.67	1.00E-30	0541;0567;0552;0560;0556;0571;0574

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【表 4 - 5】

85	FNBP1 protein (Fragment)	Q6P858	40759.38	6.47E-04	0535;0556;0567;0549;0578;0574;0560
86	Hypothetical protein FLJ25756	Q8N7D8	47133.98	2.79E-04	0560;0556;0535;0541;0578;0571;0567
87	Alpha-1B-glycoprotein precursor	P04217	54238.7	6.66E-15	0552;0549;0535;0541;0574;0567
88	Kininogen-1 precursor	P01042	71900.1	3.68E-06	0541;0535;0552;0574;0556;0567
89	Amyloid-like protein 1 precursor	P51693	72131.33	7.51E-08	0552;0560;0567;0574;0541;0571
90	Zinc-alpha-2-glycoprotein precursor	P25311	33860.91	4.68E-12	0552;0571;0541;0574;0560
91	Apolipoprotein A-IV precursor	P06727	45343.52	2.91E-13	0535;0541;0560;0556;0552
92	Hypothetical protein FLJ45254	Q6ZSR8	115180.5	7.91E-04	0556;0535;0567;0578;0560
93	SERPINC1 protein	Q8TCE1	29073.79	8.37E-06	0566;0549;0541;0535;0574
94	Pyruvate kinase, isozymes M1/M2	P14618	57769.12	1.57E-11	0560;0578;0556
95	Fibrinogen gamma chain precursor	P02679	51478.88	1.55E-11	0552;0536
96	IMAX-like protein X	Q9UH92	33279.74	2.08E-03	0556;0535;0549;0578;0574;0552;0541
97	Amyloid beta A4 protein precursor	P05067	86888.16	6.25E-08	0541;0567;0571;0574;0549
98	Ribonuclease pancreatic precursor	P07998	17632.68	7.40E-12	0567;0560;0552;0541;0574
99	Ectonucleotide pyrophosphatase/phosphodiesterase 2	Q13822	98939.61	1.11E-15	0552;0567;0578;0571;0574
100	Novel protein (Fragment)	Q512T0	35987.71	3.87E-03	0571;0541;0578;0549;0567
101	Hypothetical protein FLJ2582	Q9H661	25812.05	1.82E-03	0560;0578;0571;0556;0567
102	Collagen alpha 1(I) chain precursor	P02458	134410.6	7.90E-06	0556;0578;0552;0574
103	CRBS_HUMAN (P22814) Beta crystallin S (Gamma crystallin S)	P22914	20861.95	1.11E-14	0549;0574;0578
104	ARRS_HUMAN (P10523) S-arrestin (Retinal S-antigen) (48 kDa protein) (S-AG) (Rod photoreceptor arrestin)	P10523	45063.49	1.07E-10	0578;0560;0574
105	H4_HUMAN (P62805) Histone H4	P62805	11229.34	1.03E-09	0560;0578;0574
106	Q4ZG55 (Q4ZG55) Hypothetical protein GREB1	Q4ZG55	216328.6	4.35E-04	0560;0552;0574

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【表 4 - 6】

107	Q53F97 (Q53F97) Alpha 2 globin variant (Fragment)	Q53F97	15270.94	2.22E-16	0552;0560
108	FIBB_HUMAN (P02675) Fibrinogen beta chain precursor [Contains: Fibrinopeptide B]	P02675	55882.23	1.90E-12	0552;0535
109	ENOG_HUMAN (P09104) Gamma-enolase (EC 4.2.1.11) (2-phospho-D-glycerate hydro-lyase) (Neural enolase)	P09104	47108.02	6.87E-11	0578;0560
110	O43308 (O43308) KIAA0425 protein (Fragment)	O43308	141056.5	2.24E-04	0541;0578;0549;0560;0556;0552;0574
111	NU214_HUMAN (P35658) Nuclear pore complex protein Nup214 (Nucleoporin Nup214) (214 kDa nucleoporin)	P35658	213632.6	4.87E-05	0549;0578;0541;0556;0552;0536;0571
112	Q86UQ8 (Q86UQ8) Transcription factor NF-E4	Q86UQ8	19006.73	1.03E-04	0574;0549;0541;0535;0560;0552;0556
113	Q8N8R5 (Q8N8R5) Hypothetical protein FLJ38973	Q8N8R5	43420.63	3.35E-03	0567;0560;0571;0574;0549;0578;0556
114	Q58A63 (Q58A63) BNIP2 motif containing molecule at the carboxyl terminal region 1	Q58A63	298881.4	4.28E-04	0571;0556;0552;0560;0574;0535
115	PCLO_HUMAN (Q9Y6V0) Piccolo protein (Aczorin)	Q9Y6V0	566313.1	6.19E-06	0567;0541;0571;0535;0552;0556
116	B3GN6_HUMAN (O43505) N-acetylglucosaminidase beta-1,3-N-acetylglucosaminyltransferase (EC 2.4.1.149)	O43505	47088.94	1.31E-08	0567;0574;0541;0571;0552
117	CSTN1_HUMAN (Q94985) Calsynterin-1 precursor	Q94985	109723.7	2.63E-08	0578;0574;0552;0567;0541
118	Q7Z4H7 (Q7Z4H7) Hypothetical protein	Q7Z4H7	108566.8	9.15E-04	0571;0560;0578;0556;0567
119	OSR1_HUMAN (Q9BXW6) Oxysterol binding protein-related protein 1 (OSBP-related protein 1) (ORP-1)	Q9BXW6	108401.1	5.02E-03	0560;0535;0574;0552;0556
120	GSCR1_HUMAN (Q9NZM4) Glioma tumor suppressor candidate region gene 1 protein	Q9NZM4	152898.4	2.21E-04	0560;0571;0541;0535;0578
121	COPG2_HUMAN (Q8UBF2) Coatomer gamma-2 subunit (Gamma-2 coat protein) (Gamma-2 COP)	Q8UBF2	97559.89	4.15E-04	0535;0571;0549;0578;0567
122	ACTA_HUMAN (P62736) Actin, aortic smooth muscle (Alpha-actin-2) (LRG)	P62736	41981.82	1.58E-10	0552;0560;0574;0578
123	SAA_HUMAN (P02735) Serum amyloid A protein precursor (SAA) [Contains: Amyloid protein A (Amyloid A)]	P02735	13523.52	9.99E-15	0552;0535;0556
124	CRYAA_HUMAN (P02489) Alpha crystallin A chain (Heat-shock protein beta-4) (HspB4)	P02489	19899.9	8.88E-15	0549;0574
125	ACADV_HUMAN (P49748) Acyl-CoA dehydrogenase, very-long-chain specific, mitochondrial precursor (EC)	P49748	70345.54	8.15E-04	0560;0541;0571;0574;0567;0556
126	A2GL_HUMAN (P02750) Leucine-rich alpha-2-glycoprotein precursor (LRG)	P02750	38154.13	3.33E-15	0552;0549;0535;0541;0571
127	SPAG6_HUMAN (O75602) Sperm-associated antigen 6 (PF16 protein homolog) (Sperm flagellar protein) (R)	O75602	55441.33	1.26E-06	0578;0552;0571;0574;0560
128	BT0_HUMAN (P43251) Biotinidase precursor (EC 3.5.1.12)	P43251	58875.13	1.65E-07	0567;0571;0574;0578;0552

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【表 4 - 7】

129	Q8WVN8 (Q8WVN8) Hypothetical protein LOC92912 (Hypothetical protein DKFZp762C143)	Q8WVN8	42791.48	7.75E-04	0549;0541;0556;0552;0571
130	SPRL1_HUMAN (Q14515) SPARC-like protein 1 precursor (High endothelial vertule protein) (Hevin) (MAST)	Q14515	75169.27	5.28E-08	0541;0578;0571;0552
131	Q86U29 (Q86U29) Signal peptide, CUB domain, EGF-like 3	Q86U29	109092.9	2.40E-04	0541;0578;0567;0549
132	MYOC_HUMAN (Q89972) Myocilin precursor (Trabecular meshwork-induced glucocorticoid response protein)	Q89972	56935.61	2.34E-07	0578;0567;0560;0541
133	Q9H6T0 (Q9H6T0) Hypothetical protein FLJ21918	Q9H6T0	78351.28	2.37E-03	0574;0560;0571;0567
134	Q9Y6R7 (Q9Y6R7) Fc gamma BP (Fragment)	Q9Y6R7	301606.7	5.53E-08	0556;0541;0574
135	MT1E_HUMAN (P04732) Metallothionein-1E (MT-1E) (Metallothionein-1E) (MT-1E)	P04732	6009.202	1.00E-08	0560;0571;0552
136	CRYAB_HUMAN (P02511) Alpha crystallin B chain (Alpha(B)-crystallin) (Rosenthal fiber component) (He)	P02511	20146.43	4.88E-12	0549;0574
137	Q59EM9 (Q59EM9) Ubiquitin C variant (Fragment)	Q59EM9	147245	3.85E-08	0578;0560
138	SVIL_HUMAN (Q95425) Supervillin (Archvillin) (p205/p250)	Q95425	247550.6	9.46E-04	0549;0535;0571;0560;0552
139	IBP6_HUMAN (P24592) Insulin-like growth factor binding protein 6 precursor (IGFBP-6) (IBP-6) (IGF-b)	P24592	25306.17	1.11E-06	0567;0578;0574;0571;0580
140	K0179_HUMAN (Q14684) Protein KIAA0179	Q14684	84359.22	6.11E-04	0571;0574;0560;0578;0552
141	Q9BSG5 (Q9BSG5) Retbindin	Q9BSG5	28145.91	4.76E-07	0541;0574;0567;0578;0552
142	LUM_HUMAN (P51884) Lumican precursor (Keratan sulfate proteoglycan lumican) (KSPG lumican)	P51884	38404.8	2.97E-06	0535;0556;0578;0552
143	CO9A2_HUMAN (Q14055) Collagen alpha 2(X) chain precursor	Q14055	65080.96	3.06E-06	0578;0567;0574;0541
144	GRB14_HUMAN (Q14449) Growth factor receptor-bound protein 14 (GRB14 adapter protein)	Q14449	60949.65	2.36E-03	0556;0574;0541;0535
145	Q5VV79 (Q5VV79) SNF2 histone linker PHD RING helicase	Q5VV79	192955.8	1.00E-03	0560;0571;0567;0552
146	Q8NDD1 (Q8NDD1) Hypothetical protein DKFZp547B1713	Q8NDD1	32732.49	2.07E-03	0560;0535;0574;0549
147	CPSE3_HUMAN (Q9UKF6) Cleavage and polyadenylation specificity factor, 73 kDa subunit (CPSEF 73 kDa s)	Q9UKF6	77436.22	3.07E-04	0578;0552;0574;0541
148	H2AA_HUMAN (P28001) Histone H2A.a (H2A/a) (H2A.2)	P28001	13895.91	3.39E-11	0560;0574;0552
149	PROL4_HUMAN (Q16378) Proline-rich protein 4 precursor (Lacrimal proline-rich protein) (Nasopharynge)	Q16378	15087.6	3.75E-11	0549;0552;0574
150	LACRT_HUMAN (Q9GZ6) Extracellular glycoprotein lacrtin precursor	Q9GZ6	14237.34	2.99E-04	0552;0560;0574

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【表 4 - 8】

151	CEL1_HUMAN (Q9NYQ8) Cadherin EGF LAG seven-pass G-type receptor 1 precursor (Flamingo homolog 2) (	Q9NYQ8	329276.7	2.03E-04	0556;0578;0535
152	CRBB1_HUMAN (P53674) Beta crystallin B1	P53674	27874.85	4.88E-14	0549;0574
153	CRBA4_HUMAN (P53673) Beta crystallin A4 (Beta-A4-crystallin)	P53673	22228.56	1.00E-30	0549;0574
154	VIME_HUMAN (P08670) Vimentin	P08670	53488.13	4.45E-09	0560;0574
155	I433G_HUMAN (P61981) 14-3-3 protein gamma (Protein kinase C inhibitor protein 1) (KCIIP-1)	P61981	28153.87	1.62E-11	0578;0560
156	Q9P2D3 (Q9P2D3) KIAA1414 protein (Fragment)	Q9P2D3	171852.9	5.07E-03	0535;0560;0556;0578;0552
157	Q86VP1 (Q86VP1) Tax1 (Human T-cell leukemia virus type I) binding protein 1	Q86VP1	90819.88	5.39E-04	0549;0556;0574;0578
158	PLMN_HUMAN (P00747) Plasminogen precursor (EC 3.4.21.7) (Contains: Plasmin heavy chain A; Activatio	P00747	90510.23	2.03E-05	0552;0541;0535;0556
159	PDE6A_HUMAN (P16499) Rod cGMP-specific 3',5'-cyclic phosphodiesterase alpha-subunit (EC 3.1.4.35) (	P16499	99438.76	1.80E-03	0567;0571;0556;0574
160	RHG25_HUMAN (P42331) Rho-GTPase-activating protein 25	P42331	72385.19	1.85E-03	0535;0556;0580;0541
161	RBP2_HUMAN (P49792) Ran-binding protein 2 (RanBP2) (Nuclear pore complex protein Nup358) (Nucleopor	P49792	357891.4	3.05E-04	0567;0552;0571;0560
162	Q6P988 (Q6P988) Hypothetical protein LOC147111	Q6P988	48570.99	3.74E-04	0571;0541;0556;0567
163	Q6ZTG8 (Q6ZTG8) Hypothetical protein FLJ44670	Q6ZTG8	115755	1.14E-04	0560;0578;0556;0574
164	Q7Z5K1 (Q7Z5K1) Leukocyte-derived arginine aminopeptidase long form variant	Q7Z5K1	110377.1	1.04E-03	0571;0567;0578;0574
165	Q8N401 (Q8N401) KIAA1632 protein	Q8N401	52340.19	5.40E-04	0574;0556;0552;0541
166	NR4A3_HUMAN (Q92570) Orphan nuclear receptor NR4A3 (Nuclear hormone receptor NOR-1) (Neuron-derived	Q92570	68156.35	5.88E-04	0535;0578;0571;0556
167	RT17_HUMAN (Q9Y2R5) 28S ribosomal protein S17, mitochondrial precursor (S17mt) (MRP-S17)	Q9Y2R5	14492.93	1.18E-03	0535;0552;0578;0549
168	FA5_HUMAN (P12259) Coagulation factor V precursor (Activated protein C cofactor) (Contains: Coagula	P12259	251511.8	1.05E-04	0552;0571;0556
169	TBA1_HUMAN (P68366) Tubulin alpha-1 chain (Alpha-tubulin 1) (Testis-specific alpha-tubulin) (Tubuli	P68366	49892.41	3.40E-09	0560;0574;0578
170	Q5T714 (Q5T714) Ash1 (Absent, small, or homeotic)-like (Drosophila)	Q5T714	332580	2.25E-05	0556;0560;0535
171	LDH6A_HUMAN (Q6ZMR3) L-lactate dehydrogenase A-like 6A (EC 1.1.1.27)	Q6ZMR3	36484.2	1.30E-09	0578;0560;0556
172	Q86TT2 (Q86TT2) Full-length cDNA clone CS0D1019F20 of Placenta of Homo sapiens (human) (Fragment)	Q86TT2	39100.3	1.08E-10	0578;0556;0574

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【表 4 - 9】

173	Q86YR7 (Q86YR7) Rho family guanine-nucleotide exchange factor	Q86YR7	117435.9	1.92E-03	0541,0571,0549
174	Q8N7W7 (Q8N7W7) Hypothetical protein FLJ40259	Q8N7W7	66086.88	1.46E-03	0552,0541,0574
175	RLP24_HUMAN (Q9UHA3) Probable ribosome biogenesis protein RLP24 (Ribosomal protein L24-like)	Q9UHA3	19608.34	6.29E-04	0567,0578,0574
176	IGJ_HUMAN (P01591) Immunoglobulin J chain	P01591	15584.55	1.13E-08	0571,0562
177	CRBA1_HUMAN (P05813) Beta crystallin A3 (Contains: Beta crystallin A1)	P05813	25133.82	3.33E-15	0549
178	CRGC_HUMAN (P07315) Gamma crystallin C (Gamma crystallin 2-1) (Gamma crystallin 3)	P07315	20733.98	8.54E-12	0549
179	CRGD_HUMAN (P07320) Gamma crystallin D (Gamma crystallin 4)	P07320	20593.8	1.11E-15	0549
180	FABP1_HUMAN (P07148) Fatty acid-binding protein, liver (L-FABP)	P07148	14198.41	3.54E-06	0560
181	THRB_HUMAN (P00734) Prothrombin precursor (EC 3.4.21.5) (Coagulation factor II) (Contains: Activated partial thromboplastin reagent)	P00734	69992.2	5.83E-10	0549,0535,0541,0552
182	A2AP_HUMAN (P08697) Alpha-2-antiplasmin precursor (Alpha-2-antiplasmin inhibitor) (Alpha-2-Pi) (Alpha-2)	P08697	54531.18	1.53E-11	0556,0574,0541,0552
183	LG3BP_HUMAN (Q08380) Galectin-3 binding protein precursor (Lectin galactoside-binding soluble 3 bin)	Q08380	65289.4	4.45E-09	0560,0541,0567,0578
184	TTC1_HUMAN (Q08629) Testican-1 precursor (SPOCK protein)	Q08629	49092.49	7.92E-06	0567,0541,0574,0560
185	GOGA4_HUMAN (Q13439) Golgi autoantigen, golgin subfamily A member 4 (Trans-Golgi p230) (256 kDa gol)	Q13439	260978.6	5.90E-04	0578,0567,0556,0552
186	UBP26_HUMAN (Q9BXU7) Ubiquitin carboxyl-terminal hydrolase 26 (EC 3.1.2.15) (Ubiquitin thiolesterase)	Q9BXU7	103981.2	1.44E-04	0567,0571,0556,0535
187	MYG_HUMAN (P02144) Myoglobin	P02144	17041.91	5.67E-11	0535,0578,0560
188	CH3L1_HUMAN (P36222) Chitinase-3-like protein 1 precursor (Cartilage glycoprotein 39) (GP-39) (39 kDa)	P36222	42566.39	1.70E-06	0560,0556,0574
189	SEM7A_HUMAN (O75326) Semaphorin-7A precursor (Semaphorin L) (Sema L) (Semaphorin K1) (Sema K1) (Joh)	O75326	74776.28	3.11E-07	0574,0541,0571
190	NCTR1_HUMAN (O78036) Natural cytotoxicity triggering receptor 1 precursor (Natural killer cell p48-)	O78036	34458.41	1.63E-03	0578,0560,0535
191	FETUA_HUMAN (P02765) Alpha-2-HS-glycoprotein precursor (Fetuin-A) (Alpha-2-Z-globulin) (Ba-alpha-2)	P02765	39299.73	1.82E-06	0535,0541,0571
192	HRG_HUMAN (P04196) Histidine-rich glycoprotein precursor (Histidine-proline-rich glycoprotein) (HPR)	P04196	59540.94	3.64E-06	0549,0535,0556
193	GSTP1_HUMAN (P09211) Glutathione S-transferase P (EC 2.5.1.18) (GST class-p) (GSTP1-1)	P09211	23209.98	4.06E-11	0578,0552,0571
194	CDK6_HUMAN (Q00534) Cell division protein kinase 6 (EC 2.7.1.37) (Serine/threonine-protein kinase P)	Q00534	36915.05	2.90E-03	0552,0578,0571

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【表 4 - 1 0】

195	VAS1_HUMAN (Q15904) Vacuolar ATP synthase subunit S1 precursor (EC 3.6.3.14) (V-ATPase S1 subunit)	Q15904	51992.65	2.50E-10	0574;0541;0578
196	IBP7_HUMAN (Q16270) Insulin-like growth factor binding protein 7 precursor (IGFBP-7) (BP-7) (IGF-b)	Q16270	29111.45	3.67E-06	0580;0549;0578
197	Q5CZ94 (Q5CZ94) Hypothetical protein DKFZp781M0386	Q5CZ94	24986.3	7.58E-06	0535;0571;0567
198	Q6ZMC8 (Q6ZMC8) Hypothetical protein FLJ23897	Q6ZMC8	49902.74	5.55E-04	0556;0567;0560
199	Q6ZRY1 (Q6ZRY1) Hypothetical protein FLJ45968	Q6ZRY1	40475.38	4.15E-03	0535;0552;0578
200	Q8N9C3 (Q8N9C3) Hypothetical protein FLJ37770	Q8N9C3	24197.5	1.73E-03	0571;0556;0535
201	Q8NHQ3 (Q8NHQ3) RBBP8 protein	Q8NHQ3	102594.6	3.62E-04	0567;0560
202	SPON1_HUMAN (Q9HCB6) Spondin-1 precursor (F-spondin) (Vascular smooth muscle cell growth promoting)	Q9HCB6	90913.51	8.16E-11	0541;0574
203	Q9UGL1 (Q9UGL1) RB-binding protein	Q9UGL1	159996.1	4.41E-03	0549;0535
204	G3P1_HUMAN (P00354) Glyceroldehyde-3-phosphate dehydrogenase, muscle (EC 1.2.1.12) (GAPDH)	P00354	35853.31	1.56E-07	0578;0552
205	1433B_HUMAN (P31946) 14-3-3 protein beta/alpha (Protein kinase C inhibitor protein 1) (KCIP-1) (Pro)	P31946	27933.79	4.35E-11	0578;0560
206	DEF1_HUMAN (P59865) Neutrophil defensin 1 precursor (HNP-1) (HP-1) (HP1) (Defensin, alpha 1) [Conta]	P59865	10194.18	7.54E-06	0578;0552
207	TBA2_HUMAN (Q13748) Tubulin alpha-2 chain (Alpha-tubulin 2)	Q13748	49927.65	1.13E-10	0560;0578
208	Q6MZX7 (Q6MZX7) Hypothetical protein DKFZp686M24218	Q6MZX7	52387.13	3.84E-09	0535;0567
209	Q6PI81 (Q6PI81) IGHM protein	Q6PI81	52633.13	6.49E-08	0571;0556
210	Q7Z5B4 (Q7Z5B4) RIC3	Q7Z5B4	41066.16	3.61E-03	0541;0571
211	Q7Z745 (Q7Z745) Hypothetical protein FLJ40243	Q7Z745	180566.4	1.42E-03	0578;0556
212	PARK7_HUMAN (Q99497) DJ-1 protein (Oncogene DJ1)	Q99497	19878.49	4.50E-13	0560;0549
213	BFSP1_HUMAN (Q12934) Filensin (Beaded filament structural protein 1) (Lens fiber cell beaded-filame	Q12934	74499.29	1.47E-10	0549
214	BFSP2_HUMAN (Q13515) Phakirin (Beaded filament structural protein 2) (Lens fiber cell beaded filame	Q13515	45851.28	1.45E-11	0549
215	K1C9_HUMAN (P35527) Keratin, type I cytoskeletal 9 (Cytokeratin-9) (CK-9) (Keratin-9) (K9)	P35527	62091.76	1.11E-16	0574
216	Q6PJB5 (Q6PJB5) IGHG1 protein	Q6PJB5	60064.1	1.18E-05	0556

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【表 4 - 1 1】

217	Q86VJ1 (Q86VJ1) E3 ligase for inhibin receptor	Q86VJ1	289427.4	1.25E-03	0571
218	SELH_HUMAN (Q8IZQ5) Selenoprotein H	Q8IZQ5	13398.19	8.21E-03	0552
219	CSPG2_HUMAN (P13611) Versican core protein precursor (Large fibroblast proteoglycan) (Chondroitin s	P13611	372589	1.50E-11	0571;0574;0567
220	PDZK3_HUMAN (O15018) PDZ domain containing protein 3 (PDZ domain containing protein 2) (Activated i	O15018	301423.4	1.38E-04	0560;0541;0578
221	XLR51_HUMAN (O15537) Retinoschisin precursor (X-linked juvenile retinoschisis protein)	O15537	25575.54	2.10E-09	0541;0567;0552
222	DEPD5_HUMAN (O75140) DEP domain containing protein 5	O75140	177786	2.96E-03	0574;0567;0552
223	O95978 (O95978) VH1 protein precursor (Fragment)	O95978	17292.5	3.63E-08	0552;0556;0560
224	HV3S_HUMAN (P01780) Ig heavy chain V-III region JON	P01780	12553.34	9.51E-07	0556;0535;0578
225	CFAH_HUMAN (P08603) Complement factor H precursor (H factor 1)	P08603	139033.4	2.48E-06	0552;0535;0541
226	NEC2_HUMAN (P16519) Neuroendocrine convertase 2 precursor (EC 3.4.21.94) (NEC 2) (Prohormone	P16519	70520.62	1.43E-08	0571;0560;0567
227	3BP2_HUMAN (P78314) SH3 domain-binding protein 2 (3BP-2)	P78314	62204.26	1.58E-03	0578;0567;0552
228	TF3C1_HUMAN (Q12789) General transcription factor 3C polypeptide 1 (Transcription factor IIIC-alpha	Q12789	238143.4	5.36E-04	0574;0578;0552
229	NAF1_HUMAN (Q15025) Nef-associated factor 1 (Naf1) (TNFAIP3-interacting protein 1) (HIV-1 Nef inter	Q15025	71819.7	2.15E-04	0567;0560;0578
230	Q4VBZ9 (Q4VBZ9) MORC family CW-type zinc finger 3	Q4VBZ9	106973.1	2.29E-03	0578;0541;0560
231	Q5BLQ2 (Q5BLQ2) Mucin	Q5BLQ2	289658.2	4.49E-03	0567;0578;0541
232	Q5FWF9 (Q5FWF9) Hypothetical protein	Q5FWF9	24779.14	1.83E-04	0535;0578;0567
233	Q5HY96 (Q5HY96) Hypothetical protein DKFZp686C0384	Q5HY96	173231.1	2.82E-03	0552;0574;0578
234	Q5JPH6 (Q5JPH6) Hypothetical protein DKFZp686C2322	Q5JPH6	58621.73	7.27E-04	0560;0578;0574
235	Q5VVM6 (Q5VVM6) Novel protein	Q5VVM6	91277.53	7.22E-04	0552;0574;0571
236	Q5VWH1 (Q5VWH1) Tumor necrosis factor (Ligand) superfamily, member 15	Q5VWH1	20059.21	1.82E-03	0556;0541;0552
237	Q6ZND7 (Q6ZND7) Hypothetical protein FLJ16192	Q6ZND7	58868.55	1.49E-03	0567;0574;0541
238	Q6ZRF7 (Q6ZRF7) Hypothetical protein FLJ46385	Q6ZRF7	15503.12	3.05E-03	0535;0574;0560

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【表 4 - 1 2】

239	Q70EX7 (Q70EX7) Sodium-dependent organic anion transporter	Q70EX7	41231.12	1.26E-03	0541;0567;0574
240	Q8N264 (Q8N264) Hypothetical protein FLJ33877	Q8N264	84143.33	2.16E-03	0541;0560;0552
241	ASM3B_HUMAN (Q82485) Acid sphingomyelinase-like phospholipase 3b precursor (EC 3.1.4.-) (ASM-II)	Q82485	50781.24	3.66E-03	0541;0567;0535
242	Q96C45 (Q96C45) ULK4 protein	Q96C45	64932.5	2.43E-04	0549;0560;0535
243	CYH2_HUMAN (Q89418) Cytohesin-2 (ARF nucleotide-binding site opener) (ARNO protein) (ARF exchange factor)	Q89418	46516.68	1.09E-03	0567;0549;0574
244	Q9BRD0 (Q9BRD0) Hypothetical protein MGC13125	Q9BRD0	70478.38	7.79E-04	0574;0552;0578
245	Q9HCE0 (Q9HCE0) KIAA1632 protein (Fragment)	Q9HCE0	165103.1	2.18E-03	0567;0541;0556
246	UBN1_HUMAN (Q9NPG3) Ubiquitin (Ubiquitously expressed nuclear protein) (VT4)	Q9NPG3	121466.2	7.43E-03	0541;0552;0560
247	E41L3_HUMAN (Q9Y2J2) Band 4.1-like protein 3 (4.1B) (Differentially expressed in adenocarcinoma of colon)	Q9Y2J2	120803.1	3.21E-03	0541;0571;0574
248	KV3B_HUMAN (P01620) Ig kappa chain V-III region SIE	P01620	11787.85	4.57E-10	0556;0571
249	CO9_HUMAN (P02748) Complement component C9 precursor (Contains: Complement component C9a; Complement)	P02748	63132.78	9.29E-06	0541;0535
250	SAP_HUMAN (P07602) Proactivator polypeptide precursor (Contains: Saposin A (Protein A); Saposin B-V)	P07602	58073.93	2.11E-04	0574;0578
251	CBG_HUMAN (P08185) Corticosteroid-binding globulin precursor (CBG) (Transcortin)	P08185	45111.86	7.29E-10	0574;0560
252	CD14_HUMAN (P08571) Monocyte differentiation antigen CD14 precursor (Myeloid cell-specific leucine)	P08571	40050.79	2.39E-06	0541;0571
253	AATC_HUMAN (P17174) Aspartate aminotransferase, cytoplasmic (EC 2.6.1.1) (Transaminase A) (Glutamat)	P17174	46087.54	4.52E-06	0560;0567
254	PGAM1_HUMAN (P18669) Phosphoglycerate mutase 1 (EC 5.4.2.1) (EC 5.4.2.4) (EC 3.1.3.13) (Phosphoglyc)	P18669	26654.81	2.23E-05	0560;0552
255	NEBU_HUMAN (P20829) Nebulin	P20829	772742.8	1.73E-03	0552;0571
256	ROA2_HUMAN (P22626) Heterogeneous nuclear ribonucleoproteins A2/B1 (hnRNP A2 / hnRNP B1)	P22626	37406.69	5.25E-07	0578;0560
257	1433Z_HUMAN (P63104) 14-3-3 protein zeta/delta (Protein Kinase C inhibitor protein 1) (KCIP-1)	P63104	27727.73	1.85E-09	0560;0571
258	H33_HUMAN (P84243) Histone H3.3	P84243	15187.46	3.60E-08	0560;0574
259	Q49S9 (Q49S9) Zinc finger protein 560	Q49S9	91061.62	4.01E-03	0556;0535
260	Q5DP47 (Q5DP47) Tandem-pore-domain potassium channel TREK-1 splice variant e	Q5DP47	24666.08	1.46E-03	0560;0578

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【表 4 - 1 3】

261	Q6IA31 (Q6IA31) FLJ14154 protein	Q6IA31	27415.97	4.63E-05	0549,0571
262	K0859_HUMAN (Q8N6R0) Protein KIAA0859	Q8N6R0	78717.7	1.45E-04	0571,0578
263	DDHD1_HUMAN (Q8NEL9) Probable phospholipase DDHD1 (EC 3.1.1.-) (DDHD domain protein 1) (Phosphatidyl)	Q8NEL9	100372.4	3.71E-04	0560,0552
264	Q8TCU4 (Q8TCU4) ALMS1 protein	Q8TCU4	460906.3	1.73E-03	0560,0571
265	NRCAM_HUMAN (Q92823) Neuronal cell adhesion molecule precursor (Nr-CAM) (NgCAM-related cell adhesio	Q92823	143803.8	2.93E-07	0541,0574
266	PROL1_HUMAN (Q89935) Proline-rich protein 1 precursor (PRL1) (Basic proline-rich lacrimal protein)	Q89935	22856.08	6.78E-10	0552
267	APOB_HUMAN (P04114) Apolipoprotein B-100 precursor (Apo B-100) (Contains: Apolipoprotein B-48 (Apo	P04114	515241.6	1.39E-09	0552
268	ENO1B_HUMAN (Q05524) Alpha-enolase, lung specific (EC 4.2.1.11) (2-phospho-D-glycerate hydro-lyase)	Q05524	49446.36	2.35E-04	0560
269	K1C13_HUMAN (P13646) Keratin, type I cytoskeletal 13 (Cytoke-ralin-13) (CK-13) (Keratin-13) (K13)	P13646	49555.45	8.40E-11	0560
270	ITI14_HUMAN (Q14624) Inter-alpha-trypsin inhibitor heavy chain H4 precursor (ITI heavy chain H4) (I	Q14624	103294.1	5.77E-09	0556,0552
271	K0317_HUMAN (O15033) Protein KIAA0317	O15033	94162.6	7.07E-03	0552,0574
272	Q43466 (O43466) Hypothetical protein (Fragment)	Q43466	31230.6	7.64E-03	0578,0574
273	SF3B1_HUMAN (O75533) Splicing factor 3B subunit 1 (Spliceosome associated protein 155) (SAP 155) (S	O75533	145723	1.08E-03	0541,0560
274	REN1_HUMAN (O75787) Renin receptor precursor (Renin/prorenin receptor) (ATPase, H+ transporting, ly	O75787	38983.34	6.70E-07	0574,0541
275	LECT1_HUMAN (O75829) Chondromodulin-1 precursor (ChM-1) (Leukocyte cell-derived chemotaxin 1) [Cont	O75829	37078.55	6.03E-06	0552,0541
276	SPAE1_HUMAN (O94833) Bullous pemphigoid antigen 1, isoforms 6/9/10 (Trabeculin-beta) (Bullous pemph	O94833	590530.3	2.08E-03	0556,0574
277	Q94873 (O94873) KIAA0775 protein (Fragment)	Q94873	70117.24	7.10E-03	0541,0574
278	PRPU_HUMAN (O94906) U5 snRNP-associated 102 kDa protein (U5-102 kDa protein)	O94906	106857.9	1.54E-03	0571,0567
279	ZN202_HUMAN (O95125) Zinc finger protein 202	O95125	74673.56	6.83E-03	0560,0578
280	RECK_HUMAN (O95980) Reversion-inducing cysteine-rich protein with Kazal motifs precursor (hRECK) (S	O95980	106385.6	2.21E-03	0571,0578
281	LDHA_HUMAN (P00336) L-lactate dehydrogenase A chain (EC 1.1.1.27) (LDH-A) (LDH muscle subunit) (LDH	P00336	36534.34	1.36E-04	0560,0556
282	ASSY_HUMAN (P00966) Argininosuccinate synthase (EC 6.3.4.5) (Citru-lline-aspartate ligase)	P00966	46501.01	5.87E-03	0571,0541

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【表 4 - 1 4】

283	CYTS_HUMAN (P01036) Cystatin S precursor (Salivary acidic protein 1) (Cystatin SA-III)	P01036	16203.97	3.31E-06	0552;0571
284	KV2A_HUMAN (P01614) Ig kappa chain V-II region Cum	P01614	12668.32	9.27E-06	0578;0552
285	HV3E_HUMAN (P01766) Ig heavy chain V-III region BRO	P01766	13218.4	2.37E-11	0556;0571
286	SCG1_HUMAN (P05060) Secretogranin-1 precursor (Secretogranin I) (SgI) (Chromogranin B) (CgB) (Conta	P05060	78199.14	7.52E-06	0571;0560
287	TBB2_HUMAN (P07437) Tubulin beta-2 chain	P07437	48639.01	1.29E-10	0578;0560
288	CATB_HUMAN (P07858) Cathepsin B precursor (EC 3.4.22.1) (Cathepsin B1) (APP secretase) (APPS) [Cont	P07858	37796.84	2.93E-05	0578;0567
289	THIK_HUMAN (P09110) 3-ketoacyl-CoA thiolase, peroxisomal precursor (EC 2.3.1.16) (Beta-ketothiolase	P09110	44263.91	8.00E-04	0571;0560
290	K2C4_HUMAN (P19013) Keratin, type II cytoskeletal 4 (Cytokeratin-4) (CK-4) (Keratin-4) (K4)	P19013	57258.96	1.64E-05	0578;0560
291	MT3_HUMAN (P25713) Metallothionein-3 (MT-3) (Metallothionein-III) (MT-III) (Growth inhibitory facto	P25713	6921.488	7.21E-06	0560;0552
292	TKT_HUMAN (P29401) Transketolase (EC 2.2.1.1) (TK)	P29401	67834.88	9.46E-05	0560;0578
293	ISP2_HUMAN (P32019) Type II inositol-1,4,5-trisphosphate 5-phosphatase precursor (EC 3.1.3.36) (Pho	P32019	112750.1	4.50E-03	0560;0578
294	ICAM3_HUMAN (P32942) Intercellular adhesion molecule 3 precursor (ICAM-3) (ICAM-R) (CDW50) (CD50 an	P32942	59345.85	3.49E-03	0571;0560
295	K22E_HUMAN (P35908) Keratin, type II cytoskeletal 2 epidermal (Cytokeratin-2e) (K2e) (CK 2e)	P35908	65825.37	3.38E-06	0574;0560
296	ALU6_HUMAN (P39193) Alu subfamily SP sequence contamination warning entry	P39193	64656.59	9.60E-04	0567;0549
297	BRCA2_HUMAN (P51587) Breast cancer type 2 susceptibility protein (Fancori anemia group D1 protein)	P51587	383984.9	2.59E-03	0556;0571
298	ELL_HUMAN (P55199) RNA polymerase II elongation factor ELL (Eleven-nineteen lysine-rich leukemia pr	P55199	68222.91	1.98E-03	0578;0549
299	ACTB_HUMAN (P60709) Actin, cytoplasmic 1 (Beta-actin)	P60709	41709.74	6.35E-04	0541;0574
300	PGBM_HUMAN (P98160) Basement membrane-specific heparan sulfate proteoglycan core protein precursor	P98160	468528.2	4.97E-08	0541;0574
301	TAP1_HUMAN (Q03518) Antigen peptide transporter 1 (APT1) (Peptide transporter TAP1) (ATP-binding ca	Q03518	80913.73	2.20E-03	0571;0578
302	U33K_HUMAN (Q04323) UBAUBX 33.3 kDa protein	Q04323	33304.96	6.51E-03	0560;0556
303	ZN11B_HUMAN (Q06732) Zinc finger protein 11B	Q06732	90624.22	4.57E-03	0535;0574
304	SOX4_HUMAN (Q06945) Transcription factor SOX-4	Q06945	47233.82	3.00E-03	0574;0571

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【表 4 - 1 5】

305	TRDN_HUMAN (Q13061) Triadin	Q13061	81374.51	1.48E-03	0574;0578
306	10R1_HUMAN (Q13651) Interleukin-10 receptor alpha chain precursor (IL-10R-A) (IL-10R1)	Q13651	82864.42	1.84E-04	0535;0556
307	Q14467 (Q14467) KIAA0068 protein (Fragment)	Q14467	147040.6	6.74E-03	0535;0578
308	KRHB1_HUMAN (Q14633) Keratin, type II cuticular Hb1 (Hair keratin, type II Hb1) (gthHb1) (gthHb1) (M)	Q14633	54935.82	7.26E-04	0552;0535
309	GGB1_HUMAN (Q14789) Golgi autoantigen, golgin subfamily B member 1 (Giantin) (Macrogolgin) (Golgi)	Q14789	375846.5	5.99E-03	0541;0549
310	ZMY11_HUMAN (Q15326) Zinc finger MYND domain containing protein 11 (Adenovirus 5 E1A-binding protein)	Q15326	86160.48	2.74E-03	0552;0571
311	Q15786 (Q15786) Testis calpastatin	Q15786	47056.18	3.44E-03	0571;0574
312	TSN1_HUMAN (Q15811) Intersectin-1 (SH3 domain-containing protein 1A) (SH3P17)	Q15811	195410	1.11E-03	0556;0574
313	DUS5_HUMAN (Q16890) Dual specificity protein phosphatase 5 (EC 3.1.3.48) (EC 3.1.3.16) (Dual specif)	Q16890	42080.39	4.50E-04	0556;0552
314	Q53LP3 (Q53LP3) Hypothetical protein FLJ21870 (C2orf26 protein)	Q53LP3	55638.11	1.89E-03	0552;0567
315	Q53RD9 (Q53RD9) Hypothetical protein FLJ37440	Q53RD9	47344.78	3.38E-03	0560;0552
316	Q53TQ3 (Q53TQ3) Hypothetical protein FLJ20308	Q53TQ3	100659.6	6.83E-03	0571;0552
317	Q5T0F8 (Q5T0F8) Novel protein	Q5T0F8	93537.23	5.83E-03	0571;0574
318	Q5T1V5 (Q5T1V5) Novel protein (Fragment)	Q5T1V5	17690.71	8.01E-03	0578;0567
319	Q5VYM8 (Q5VYM8) Unc-13 homolog B (C. elegans)	Q5VYM8	180563.2	4.01E-03	0574;0578
320	Q68DL7 (Q68DL7) Hypothetical protein DKFZp781G0119	Q68DL7	77181.3	1.62E-03	0567;0541
321	Q6EKI8 (Q6EKI8) General transcription factor II i repeat domain 2 alpha	Q6EKI8	107162.2	4.27E-03	0535;0556
322	Q6EMK4 (Q6EMK4) Vasorin	Q6EMK4	71667.73	1.19E-09	0571;0541
323	Q6P2S8 (Q6P2S8) Hypothetical protein	Q6P2S8	15673.02	2.81E-03	0552;0556
324	Q6RJU1 (Q6RJU1) RhoGTPase regulating protein variant ARHGAP20-1be	Q6RJU1	130153.4	4.43E-03	0541;0552
325	Q6ZMX4 (Q6ZMX4) Hypothetical protein FLJ16611	Q6ZMX4	83550.26	5.47E-03	0574;0541
326	Q6ZRP4 (Q6ZRP4) Hypothetical protein FLJ46205	Q6ZRP4	135088.2	3.89E-03	0571;0556

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【表 4 - 1 6】

327	Q6ZVQ3 (Q6ZVQ3) Hypothetical protein FLJ42220	Q6ZVQ3	17595.21	1.21E-04	0535;0578
328	Q6ZW11 (Q6ZW11) Hypothetical protein FLJ41805	Q6ZW11	13506.89	2.84E-03	0574;0552
329	UN13D_HUMAN (Q70J99) Unc-13 homolog D (Munc13-4)	Q70J99	123204.8	9.94E-04	0571;0567
330	Q7Z402 (Q7Z402) Transmembrane channel-like protein 7	Q7Z402	83447.49	5.08E-04	0574;0552
331	ABCAC_HUMAN (Q86UK0) ATP-binding cassette sub-family A member 12 (ATP-binding cassette transporter)	Q86UK0	293060.7	1.27E-04	0567;0556
332	Q86VJ0 (Q86VJ0) Aaa-protein	Q86VJ0	77428.84	3.96E-03	0556;0549
333	Q86VW2 (Q86VW2) RAC/GDC42 exchange factor, isoform 1 (RAC/CDC42/Rho exchange factor GEFT)	Q86VW2	63989.59	2.94E-03	0560;0578
334	Q86W42 (Q86W42) WD repeat domain 58	Q86W42	37511.05	4.61E-03	0567;0571
335	Q8N2X6 (Q8N2X6) LOC116349 protein	Q8N2X6	12663.28	1.20E-03	0541;0578
336	Q8N6W7 (Q8N6W7) PML-RARA regulated adaptor molecule 1	Q8N6W7	73950.18	3.73E-03	0571;0578
337	Q8NBB8 (Q8NBB8) Hypothetical protein FLJ33743	Q8NBB8	53627.89	6.15E-04	0541;0571
338	GALT6_HUMAN (Q8NCL4) Polypeptide N-acetylglucosaminyltransferase 6 (EC 2.4.1.41) (Protein-UDP ace	Q8NCL4	71113.15	4.27E-03	0535;0571
339	LIPB2_HUMAN (Q8ND30) Liprin-beta 2 (Protein tyrosine phosphatase receptor type f polypeptide-intera	Q8ND30	98383.37	8.29E-04	0578;0567
340	DYH5_HUMAN (Q8TE73) Ciliary dynein heavy chain 5 (Axonemal beta dynein heavy chain 5) (HL1)	Q8TE73	528667.8	4.96E-03	0560;0556
341	NEUR4_HUMAN (Q8WWR8) Sialidase 4 (EC 3.2.1.18) (N-acetyl-alpha-neuraminidase 4)	Q8WWR8	51639.02	3.08E-04	0571;0560
342	RYR2_HUMAN (Q92736) Ryanodine receptor 2 (Cardiac muscle-type ryanodine receptor) (RyR2) (RyR-2) (C	Q92736	564136.1	2.95E-03	0574;0541
343	COR2A_HUMAN (Q92828) Coronin-2A (WD repeat-containing protein 2) (IR10)	Q92828	59725.43	7.02E-03	0574;0556
344	SNPC3_HUMAN (Q92866) snRNA-activating protein complex subunit 3 (SNAPc subunit 3) (snRNA-activating	Q92866	46722.65	8.82E-03	0578;0571
345	Q969T7 (Q969T7) Hypothetical protein MGC20781	Q969T7	33551.02	5.75E-03	0574;0556
346	Q96E25 (Q96E25) ZNF503 protein	Q96E25	59255.39	9.31E-04	0578;0541
347	Q96EK0 (Q96EK0) Hypothetical protein MGC4655	Q96EK0	41865.86	5.12E-03	0552;0541
348	Q96IV6 (Q96IV6) C5orf4 protein	Q96IV6	38976.07	1.54E-04	0541;0571

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349	Q96JD0 (Q96JD0) Amyloid lambda 8 light chain variable region SAR (Fragment)	Q96JD0	12286.89	3.67E-05	0556;0535
350	K1849_HUMAN (Q96JH8) Protein KIAA1849	Q96JH8	118630	3.22E-03	0574;0560
351	ACON_HUMAN (Q99798) Aconitate hydratase, mitochondrial precursor (EC 4.2.1.3) (Citrate hydro-lyase)	Q99798	85372.02	1.20E-03	0541;0578
352	AKAP9_HUMAN (Q89996) A-kinase anchor protein 9 (Protein kinase A anchoring protein 9) (PRKA9) (A-ki	Q89996	453386.1	4.17E-03	0549;0571
353	SIN1_HUMAN (Q9BPZ7) Stress-activated map kinase interacting protein 1 (SAPK interacting protein 1)	Q9BPZ7	59086.05	6.16E-03	0567;0541
354	Q9BR77 (Q9BR77) Hypothetical protein MGC13183 (Hypothetical protein FLJ14732)	Q9BR77	57450.07	2.90E-04	0541;0556
355	DATF1_HUMAN (Q9BTC0) Death-associated transcription factor 1	Q9BTC0	129070.5	2.77E-03	0552;0567
356	Q9BZV3 (Q9BZV3) Interphotoreceptor matrix proteoglycan 200	Q9BZV3	138545	6.65E-05	0541;0574
357	DY14_HUMAN (Q9GZS0) Dynein intermediate chain 2, axonemal (Axonemal dynein intermediate chain 2)	Q9GZS0	68807.61	1.67E-03	0571;0549
358	Q9H0C8 (Q9H0C8) Hypothetical protein DKFZp434J2031 (Integrin-linked kinase-associated serine/threon	Q9H0C8	42879.83	8.69E-03	0552;0567
359	ZN335_HUMAN (Q9H4Z2) Zinc finger protein 335	Q9H4Z2	144802	1.44E-03	0541;0567
360	RANB3_HUMAN (Q9H6Z4) Ran-binding protein 3 (RanBP3)	Q9H6Z4	80173.32	1.48E-03	0552;0556
361	LPHN3_HUMAN (Q9HAR2) Latrophilin-3 precursor (Calcium-independent alpha-latrotoxin receptor 3) (Lec	Q9HAR2	161709.3	5.64E-03	0549;0541
362	RENT2_HUMAN (Q9HAU5) Regulator of nonsense transcripts 2 (Nonsense mRNA reducing factor 2) (Up-frame	Q9HAU5	147718.9	9.67E-04	0560;0567
363	Q9HB10 (Q9HB10) Pinch-2 protein (Hypothetical protein LOC36626)	Q9HB10	13242.23	3.83E-03	0567;0552
364	RDH14_HUMAN (Q9HBH5) Retinol dehydrogenase 14 (EC 1.1.1.-) (LIM and senescent cell antigen-lik	Q9HBH5	36841.38	5.57E-03	0578;0574
365	Q9HC06 (Q9HC06) Cd002 protein (Alcohol dehydrogenase PAN2)	Q9HC06	43466.54	4.76E-03	0560;0556
366	ITM2C_HUMAN (Q9NOX7) Integral membrane protein 2C (Transmembrane protein BR13) (Cerebral protein 14	Q9NOX7	30204.46	1.96E-03	0578;0556
367	Q9NS87 (Q9NS87) Kinesin-like protein 2	Q9NS87	160060.4	6.48E-03	0552;0549
368	Q9NXU1 (Q9NXU1) Hypothetical protein FLJ20055	Q9NXU1	46686.5	8.52E-03	0567;0552
369	UGGG1_HUMAN (Q9NYU2) UDP-glucose:glycoprotein glucosyltransferase 1 precursor (EC 2.4.1.-) (UDP-glu	Q9NYU2	174866.5	1.84E-03	0552;0556
370	VPS18_HUMAN (Q9P253) Vacuolar protein sorting 18 (hVPS18)	Q9P253	110115.9	1.55E-03	0574;0552

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【表 4 - 1 8】

371	TRABD_HUMAN (Q9UG10) TRABID protein (Zinc finger Ran-binding domain containing 1)	Q9UG10	80855.84	7.58E-03	0541,0556
372	DCIN4_HUMAN (Q9UJW0) Dynactin subunit 4 (Dynactin subunit p52)	Q9UJW0	52303.68	2.87E-03	0535,0556
373	Q9ULH9 (Q9ULH9) KIAA1241 protein (Fragment)	Q9ULH9	97158.45	3.40E-04	0567,0574
374	SATB2_HUMAN (Q9UPW6) DNA-binding protein SATB2 (Special AT-rich sequence-binding protein 2)	Q9UPW6	82504.16	8.57E-04	0556,0535
375	LZTS1_HUMAN (Q9Y250) Leucine zipper putative tumor suppressor 1 (F37/leptothel cancer-related gene)	Q9Y250	68440.97	3.05E-04	0552,0549
376	WBP11_HUMAN (Q9Y2W2) WW domain-binding protein 11 (WBP-11) (SH3 domain-binding protein SNPT0) (Npw3)	Q9Y2W2	89954.12	2.54E-03	0549,0541
377	TF3C3_HUMAN (Q9Y5Q9) General transcription factor 3C polypeptide 3 (Transcription factor IIIC-gamma)	Q9Y5Q9	101207.8	4.66E-03	0571,0574
378	Q5MJ67 (Q5MJ67) CMYA3	Q5MJ67	378997.3	1.45E-04	0552
379	Q6N095 (Q6N095) Hypothetical protein DKFZp886K03196	Q6N095	52327.14	8.86E-04	0556
380	O15422 (O15422) Probable zinc finger protein H101 (Fragment)	O15422	13289.94	4.52E-05	0552
381	HNRPR_HUMAN (O43390) Heterogeneous nuclear ribonucleoprotein R (hnRNP R)	O43390	70899.22	5.51E-04	0567
382	O43532 (O43532) RIG-like 7-1	O43532	19272.97	4.33E-03	0571
383	PTCD1_HUMAN (O75127) Pentatricopeptide repeat protein 1	O75127	78805.96	8.20E-04	0574
384	AL1A1_HUMAN (P00352) Retinal dehydrogenase 1 (EC 1.2.1.36) (RALDH1) (RALDH 1) (Aldehyde dehydrogenase)	P00352	54695.95	2.58E-07	0549
385	CYTB_HUMAN (P04080) Cystatin B (Liver thiol proteinase inhibitor) (CPI-B) (Stefin B)	P04080	11132.59	1.05E-09	0560
386	SODM_HUMAN (P04179) Superoxide dismutase [Mn], mitochondrial precursor (EC 1.15.1.1)	P04179	24706.56	3.02E-06	0560
387	KV3L_HUMAN (P04433) Ig kappa chain V-III region VG precursor (Fragment)	P04433	12567.31	1.61E-05	0556
388	HY2L_HUMAN (P06331) Ig heavy chain V-II region ARH-77 precursor	P06331	16218.12	7.95E-04	0560
389	CRGB_HUMAN (P07316) Gamma crystallin B (Gamma crystallin 1-2)	P07316	20762.91	8.74E-06	0549
390	GSTM1_HUMAN (P09488) Glutathione S-transferase Mu 1 (EC 2.5.1.18) (GSTM1-1) (GST class-mu 1) (GSTM1)	P09488	25564.02	2.53E-04	0560
391	ROA1_HUMAN (P09651) Heterogeneous nuclear ribonucleoprotein A1 (Helix-stabilizing protein) (Singl)	P09651	38691.05	4.89E-07	0560
392	CMGA_HUMAN (P10645) Chromogranin A precursor (CgA) (Pituitary secretory protein I) (SP-I) [Contains	P10645	50699.73	1.46E-04	0541

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【表 4 - 1 9】

393	ENOB_HUMAN (P13929) Beta-enolase (EC 4.2.1.11) (2-phospho-D-glycerate hydro-lyase) (Muscle-specific)	P13929	46826.33	7.77E-09	0578
394	PTN2_HUMAN (P17706) Tyrosine-protein phosphatase, non-receptor type 2 (EC 3.1.3.48) (T-cell protein)	P17706	48497.45	4.46E-04	0552
395	PTMS_HUMAN (P20962) Parathyromosin	P20962	11382.15	1.96E-06	0578
396	COIA1_HUMAN (P39060) Collagen alpha 1(XVIII) chain precursor [Contains: Endostatin]	P39060	15373.19	7.65E-04	0552
397	TSC2_HUMAN (P49815) Tuberin (Tuberous sclerosis 2 protein)	P49815	200621.4	1.76E-05	0571
398	MECP2_HUMAN (P51608) Methyl-CpG-binding protein 2 (MeCP-2 protein) (MeCP2)	P51608	52408.71	2.49E-03	0552
399	PUR1_HUMAN (Q06203) Amidophosphoribosyltransferase precursor (EC 2.4.2.14) (Glutamine phosphoribosyl)	Q06203	57362.45	1.67E-03	0578
400	LTBP2_HUMAN (Q14767) Latent transforming growth factor-beta-binding protein 2 precursor (LTBP-2)	Q14767	194935.4	1.09E-04	0578
401	Q4UJ75 (Q4UJ75) Novel protein similar to ankyrin repeat domain 20A (ANKRD20A)	Q4UJ75	94090.2	1.31E-03	0578
402	Q5GC90 (Q5GC90) HERC8 splice variant	Q5GC90	111012.2	7.32E-03	0549
403	Q5H9Q6 (Q5H9Q6) Hypothetical protein DKFZp781N0678	Q5H9Q6	64496.32	2.49E-03	0556
404	Q5SGD5 (Q5SGD5) Maguin-like protein variant II (Maguin-like protein variant III) (Maguin-like prote	Q5SGD5	61848.88	4.57E-03	0552
405	ZHC6_HUMAN (Q5VY58) Zinc finger CCHC domain containing protein 6	Q5VY58	171121	3.70E-05	0549
406	Q6GMX7 (Q6GMX7) Hypothetical protein	Q6GMX7	51598.66	7.72E-04	0560
407	Q6NUJ2 (Q6NUJ2) LOC150763 protein	Q6NUJ2	87507.18	9.25E-04	0571
408	Q6PJ73 (Q6PJ73) DPP-1 protein (Fragment)	Q6PJ73	47450.2	1.65E-03	0578
409	ATAD2_HUMAN (Q6PL18) ATPase family AAA domain containing protein 2	Q6PL18	158456	6.83E-03	0574
410	Q6ZW49 (Q6ZW49) Hypothetical protein FLJ41606	Q6ZW49	117615.6	5.23E-03	0552
411	Q8IY85 (Q8IY85) Hypothetical protein FLJ40342	Q8IY85	110027.5	2.60E-04	0560
412	C1126_HUMAN (Q8N9R8) Protein C9orf126	Q8N9R8	70385.07	4.09E-03	0578
413	Q8NAI5 (Q8NAI5) Hypothetical protein FLJ35318	Q8NAI5	25654.67	9.38E-04	0552
414	ACBD4_HUMAN (Q8NC06) Acyl-CoA binding domain containing protein 4	Q8NC06	30287.72	3.34E-03	0541

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【表 4 - 2 0】

415	AT8B4_HUMAN (Q8TF62) Probable phospholipid-transporting ATPase 1M (EC 3.6.3.1) (ATPase class I type)	Q8TF62	135853.6	1.41E-03	0549
416	FAM3C_HUMAN (Q92520) Protein FAM3C precursor (Protein GS3786)	Q92520	24664.59	3.85E-03	0574
417	K1H5_HUMAN (Q92764) Keratin, type I cuticular Ha5 (Hair keratin, type I Ha5)	Q92764	47566.21	1.49E-04	0549
418	SFRP3_HUMAN (Q92765) Secreted frizzled-related protein 3 precursor (sFRP-3) (Frizzled-related prote	Q92765	36230.29	1.65E-04	0560
419	RL10L_HUMAN (Q96L21) 60S ribosomal protein L10-like	Q96L21	24371.68	3.34E-03	0535
420	Q9BRQ8 (Q9BRQ8) Apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death (PS3-	Q9BRQ8	40501.28	2.40E-03	0552
421	SPTN4_HUMAN (Q9H254) Spectrin beta chain, brain 3 (Spectrin, non-erythroid beta chain 3) (Beta-IV s	Q9H254	288806.1	1.24E-03	0552
422	Q9H7Z0 (Q9H7Z0) Hypothetical protein FLJ14058	Q9H7Z0	24063.12	1.23E-03	0574
423	AT131_HUMAN (Q9HD20) Probable cation-transporting ATPase 13A1 (EC 3.6.3.-)	Q9HD20	132869.9	2.33E-03	0552
424	SEM4B_HUMAN (Q9NPR2) Semaphorin-4B precursor	Q9NPR2	92134.84	1.03E-06	0574
425	Q9Y346 (Q9Y346) Hypothetical protein	Q9Y346	12406.69	7.64E-03	0549
426	Q6FGL5 (Q6FGL5) LCN2 protein (Fragment)	Q6FGL5	22547.66	2.11E-10	0552
427	MUCB_HUMAN (P04220) Ig mu heavy chain disease protein (BOT)	P04220	43030.31	5.96E-07	0578
428	K2C1_HUMAN (P04264) Keratin, type II cytoskeletal 1 (Cytokeratin-1) (CK-1) (Keratin-1) (K1) (67 kDa	P04264	65846.88	8.29E-05	0574
429	RABP1_HUMAN (P29762) Cellular retinoic acid binding protein 1 (Cellular retinoic acid binding prote	P29762	15424.71	1.13E-06	0560
430	AL3A1_HUMAN (P30838) Aldehyde dehydrogenase, dimeric NADP-prefering (EC 1.2.1.5) (ALDH class 3) (A	P30838	50346.91	7.08E-03	0578
431	DPOD2_HUMAN (P49005) DNA polymerase delta subunit 2 (EC 2.7.7.7) (DNA polymerase delta subunit p50)	P49005	51257.05	4.77E-03	0556
432	QORX_HUMAN (Q53FA7) Putative quinone oxidoreductase (EC 1.-.-) (Tumor protein p53-inducible prote	Q53FA7	35513.59	1.04E-03	0552
433	Q65ZC8 (Q65ZC8) Single-chain Fv (Fragment)	Q65ZC8	26110.55	1.26E-05	0535
434	AP3B1_HUMAN (O00203) Adapter-related protein complex 3 beta 1 subunit (Beta3A-adaptin) (Adaptor pro	O00203	121274.4	8.21E-03	0567
435	PSD12_HUMAN (O00232) 26S proteasome non-ATPase regulatory subunit 12 (26S proteasome regulatory sub	O00232	52739.59	8.95E-03	0552
436	BNR1B_HUMAN (O00238) Bone morphogenetic protein receptor type IB precursor (EC 2.7.1.37)	O00238	56893.71	7.71E-03	0552

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【表 4 - 2 1】

437	WWP2_HUMAN (O00308) Nedd-4-like E3 ubiquitin-protein ligase WWP2 (EC 6.3.2.-) (WW domain-containing)	O00308	98850.05	4.72E-03	0556
438	O00319 (O00319) WUGSC:H_DJ525N14.1 protein	O00319	74438.16	2.51E-03	0571
439	ODPX_HUMAN (O00330) Pyruvate dehydrogenase protein X component, mitochondrial precursor (Dihydrolip	O00330	54088.89	5.59E-03	0571
440	PLK4_HUMAN (O00444) Serine/threonine-protein kinase PLK4 (EC 2.7.1.37) (Polo-like kinase 4) (PLK-4)	O00444	108903.3	3.85E-03	0541
441	O00461 (O00461) 130 kD Golgi-localized phosphoprotein	O00461	81831.17	7.79E-03	0567
442	AGRN_HUMAN (O00468) Agrin precursor	O00468	214747.2	1.16E-03	0571
443	NPT3_HUMAN (O00624) Sodium-dependent phosphate transport protein 3 (Sodium/phosphate cotransporter	O00624	47319.86	4.49E-04	0567
444	CUTL2_HUMAN (O14529) Homeobox protein Cux-2 (Cut-like 2)	O14529	154100.3	6.33E-03	0556
445	O14712 (O14712) Cell cycle progression restoration 8 protein	O14712	44282.57	9.89E-03	0549
446	CHK1_HUMAN (O14757) Serine/threonine-protein kinase Chk1 (EC 2.7.1.37)	O14757	54384.94	6.24E-03	0571
447	TRI66_HUMAN (O15016) Tripartite motif protein 66	O15016	134317.6	7.00E-03	0560
448	DCAK1_HUMAN (O15075) Serine/threonine-protein kinase DCAMKL1 (EC 2.7.1.37) (Doublecortin-like and C	O15075	82172.98	9.71E-03	0541
449	IKKA_HUMAN (O15111) Inhibitor of nuclear factor kappa-B kinase alpha subunit (EC 2.7.1.-) (I kappa-	O15111	84599.03	6.24E-03	0560
450	VILL_HUMAN (O15185) Villin-like protein	O15185	95847.38	3.84E-04	0578
451	VGf_HUMAN (O15240) Neurosecretory protein VGF precursor	O15240	67246.72	5.02E-03	0571
452	O15504 (O15504) Hypothetical protein CG1	O15504	44844.06	9.61E-03	0556
453	MSH5_HUMAN (O43196) MutS protein homolog 5	O43196	92816.59	5.63E-04	0556
454	O43305 (O43305) KIAA0421 protein (Fragment)	O43305	223741	4.29E-03	0567
455	O43314 (O43314) KIAA0433 protein (Fragment)	O43314	141615.9	2.82E-03	0556
456	O43686 (O43686) Interphotoreceptor matrix proteoglycan 150 (OTI-HUMP0000016767)	O43686	39331.24	1.60E-09	0541
457	O43857 (O43857) Fas-ligand associated factor 2 (Fragment)	O43857	16002.3	1.43E-03	0574
458	H6ST1_HUMAN (O60243) Heparan-sulfate 6-O-sulfotransferase 1 (EC 2.8.2.-) (HS6ST-1)	O60243	48164.27	7.29E-03	0535

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【表 4 - 2 2】

459	KPRB_HUMAN (O60256) Phosphoribosyl pyrophosphate synthetase-associated protein 2 (PRPP synthetase-a	O60256	40899.39	1.83E-04	0552
460	O60276 (O60276) KIAA0523 protein (Fragment)	O60276	53723.5	7.19E-04	0560
461	O60350 (O60350) Sodium bicarbonate cotransporter2	O60350	114131.7	1.42E-03	0567
462	O60502 (O60502) Meningioma-expressed antigen 5	O60502	102848.9	3.70E-03	0549
463	VINEX_HUMAN (O60504) Vinexin (Scrbin and SH3 domain-containing protein 3) (SH3-containing adapter m	O60504	75283	6.71E-03	0552
464	M9BPB_HUMAN (O60664) Mannose-6-phosphate receptor binding protein 1 (Cargo selection protein TIP47)	O60664	47017.98	7.29E-03	0552
465	JAK2_HUMAN (O60674) Tyrosine-protein kinase JAK2 (EC 2.7.1.12) (Janus kinase 2) (JAK-2)	O60674	130589.7	8.75E-03	0560
466	O60687 (O60687) Sushi-repeat-containing protein, X-linked 2	O60687	52937.79	1.02E-03	0556
467	FMO6_HUMAN (O60774) Putative dimethylaniline monooxygenase [N-oxide-forming] 6 (EC 1.14.13.8) (Flav	O60774	61251.68	1.50E-04	0549
468	HNRC1_HUMAN (O60812) Heterogeneous nuclear ribonucleoprotein C-like dJ845024.4 (hnRNP core protein	O60812	32122.71	6.44E-05	0560
469	BRD4_HUMAN (O60885) Bromodomain-containing protein 4 (HUNK1 protein)	O60885	152123.8	3.01E-04	0535
470	OPHN1_HUMAN (O60890) Oligophrenin 1	O60890	91583.03	8.75E-03	0571
471	O75137 (O75137) KIAA0642 protein (Fragment)	O75137	153399.6	4.21E-03	0535
472	HIP1R_HUMAN (O75146) Huntingtin-interacting protein 1-related protein (Hip1-related) (Hip 12)	O75146	119315	6.12E-03	0578
473	O75322 (O75322) Hsp89-alpha-delta-N	O75322	63211.7	1.24E-05	0578
474	FNBP3_HUMAN (O75400) Formin-binding protein 3 (Huntingtin yeast partner A) (Huntingtin-interacting	O75400	108736.4	2.50E-03	0571
475	CREG1_HUMAN (O75629) CREG1 protein precursor (Cellular repressor of E1A-stimulated genes 1)	O75629	24059.31	1.02E-05	0541
476	OFD1_HUMAN (O75665) Oral-facial-digital syndrome 1 protein (Protein 71-7A)	O75665	116598.9	3.36E-04	0541
477	O75703 (O75703) Hypothetical protein A-27031.2	O75703	12404.55	4.17E-03	0552
478	TCEA3_HUMAN (O75764) Transcription elongation factor A protein 3 (Transcription elongation factor S	O75764	38946.71	8.19E-03	0574
479	FTFHD_HUMAN (O75891) 10-formyltetrahydrofolate dehydrogenase (EC 1.5.1.6) (10-FTFHD) (Aldehyde deh	O75891	98766.77	8.40E-04	0549
480	ST1C2_HUMAN (O75897) Sulfotransferase 1C2 (EC 2.8.2.-) (SULT1C)	O75897	35510.89	7.10E-03	0578

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【表 4 - 2 3】

481	SYUG_HUMAN (O76070) Gamma-synuclein (Parsyn) (Breast cancer-specific gene 1 protein) (Synoretin) (S)	O76070	13292.8	1.54E-03	0560
482	DDAH1_HUMAN (O94760) NG,NG-dimethylarginine dimethylaminohydrolase 1 (EC 3.5.3.18) (Dimethylarginin	O94760	30970.89	6.99E-03	0578
483	AT10B_HUMAN (O94823) Probable phospholipid-transporting ATPase VB (EC 3.6.3.1)	O94823	165283.6	1.82E-03	0541
484	O94843 (O94843) KIAA0739 protein (Fragment)	O94843	127881.5	5.66E-03	0574
485	NFASC_HUMAN (O94856) Neurofascin precursor	O94856	137533	1.38E-03	0541
486	O94969 (O94969) KIAA0895 protein (Fragment)	O94969	61219.9	7.16E-03	0549
487	UNC5C_HUMAN (O95185) Netrin receptor UNC5C precursor (Unc-5 homolog C) (Unc-5 homolog 3)	O95185	103036	5.25E-03	0541
488	O95267 (O95267) Calcium and DAG-regulated guanine nucleotide exchange factor II	O95267	90272.02	6.48E-03	0541
489	O95285 (O95285) Erythroblast macrophage protein EMP	O95285	43879.31	9.52E-03	0578
490	SMC2_HUMAN (O95347) Structural maintenance of chromosome 2-like 1 protein (Chromosome-associated pr	O95347	135685.7	4.58E-03	0578
491	ZBT7A_HUMAN (O95365) Zinc finger and BTB domain containing protein 7A (Leukemia/lymphoma related fa	O95365	61400.79	7.26E-03	0541
492	ATS2_HUMAN (O95450) ADAMTS-2 precursor (EC 3.4.24.14) (A disintegrin and metalloproteinase with thr	O95450	134635.7	3.67E-03	0574
493	HS74L_HUMAN (O95757) Heat shock 70 kDa protein 4L (Osmotic stress protein 94) (Heat shock 70-relate	O95757	94426.4	1.12E-03	0567
494	STAU_HUMAN (O95783) Double-stranded RNA-binding protein Slau1en homolog	O95783	63227.92	6.38E-03	0552
495	UCP4_HUMAN (O95847) Mitochondrial uncoupling protein 4 (UCP 4) (Solute carrier family 25 member 27)	O95847	36040.65	1.45E-03	0571
496	SODC_HUMAN (P00441) Superoxide dismutase [Cu-Zn] (EC 1.15.1.1)	P00441	15794.87	4.16E-03	0541
497	C1R_HUMAN (P00736) Complement C1r subcomponent precursor (EC 3.4.21.41) (Complement component 1, r	P00736	80121.9	3.35E-08	0541
498	CFAD_HUMAN (P00746) Complement factor D precursor (EC 3.4.21.46) (C3 convertase activator) (Properdin	P00746	26986.84	6.77E-05	0578
499	CAH1_HUMAN (P00915) Carbonic anhydrase 1 (EC 4.2.1.1) (Carbonic anhydrase I) (Carbonate dehydratase	P00915	28721.34	1.12E-07	0552
500	CAH2_HUMAN (P00918) Carbonic anhydrase 2 (EC 4.2.1.1) (Carbonic anhydrase II) (Carbonate dehydratas	P00918	29096.89	6.62E-03	0560
501	KV2C_HUMAN (P01616) Ig kappa chain V-II region MIL	P01616	12048.05	9.27E-06	0578
502	KV3C_HUMAN (P01621) Ig kappa chain V-III region NG9 precursor (Fragment)	P01621	10722.28	9.08E-03	0578

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【表 4 - 2 4】

503	HV1A_HUMAN (P01742)	Ig heavy chain V-I region EU	P01742	12464.08	8.83E-03	0556
504	HV3B_HUMAN (P01763)	Ig heavy chain V-III region WEA	P01763	12248.52	7.67E-04	0535
505	HV3C_HUMAN (P01764)	Ig heavy chain V-III region VH26 precursor	P01764	12574.22	5.13E-03	0556
506	HV3G_HUMAN (P01768)	Ig heavy chain V-III region CAM	P01768	13659.17	4.59E-05	0535
507	HV3J_HUMAN (P01771)	Ig heavy chain V-III region HIL	P01771	13557.22	3.79E-03	0535
508	HV3T_HUMAN (P01781)	Ig heavy chain V-III region GAL	P01781	12722.21	9.93E-03	0535
509	APOC3_HUMAN (P02856)	Apolipoprotein C-III precursor (Apo-CIII)	P02856	10845.5	5.51E-05	0552
510	C1QB_HUMAN (P02746)	Complement C1q subcomponent, B chain precursor	P02746	28442.4	2.43E-08	0578
511	FINC_HUMAN (P02751)	Fibronectin precursor (FN) (Cold-insoluble globulin) (CIG)	P02751	262439.5	2.14E-03	0560
512	ESR1_HUMAN (P03372)	Estrogen receptor (ER) (Estradiol receptor) (ER-alpha)	P03372	66173.23	1.86E-03	0560
513	ALK1_HUMAN (P03973)	Antileukoprotease 1 precursor (ALP) (HUS-1) (Seminal proteinase inhibitor) (	P03973	14315.91	6.02E-03	0571
514	HMDH_HUMAN (P04035)	3-hydroxy-3-methylglutaryl-coenzyme A reductase (EC 1.1.34) (HMG-CoA reductas	P04035	97412.74	2.11E-03	0556
515	MT1A_HUMAN (P04731)	Metallothionein-1A (MT-1A) (Metallothionein-1A) (MT-1A)	P04731	6128.206	1.40E-05	0560
516	MT1F_HUMAN (P04733)	Metallothionein-1F (MT-1F) (Metallothionein-1F) (MT-1F)	P04733	6081.223	8.20E-06	0560
517	APOD_HUMAN (P05090)	Apolipoprotein D precursor (Apo-D) (ApoD)	P05090	21261.77	4.72E-03	0552
518	INSR_HUMAN (P06213)	Insulin receptor precursor (EC 2.7.1.112) (IR) (CD220 antigen) [Contains: Insul	P06213	156206.1	1.01E-03	0560
519	KV40_HUMAN (P06312)	Ig kappa chain V-IV region precursor (Fragment)	P06312	13371.6	6.14E-05	0556
520	S10A9_HUMAN (P06702)	Calgranulin B (Migration inhibitory factor-related protein 14) (MRP-14) (P14)	P06702	13233.5	6.68E-06	0571
521	G6P1_HUMAN (P06744)	Glucose-6-phosphate isomerase (EC 5.3.1.9) (GPI) (Phosphoglucose isomerase) (PG	P06744	62976.29	1.26E-03	0578
522	ADHA_HUMAN (P07327)	Alcohol dehydrogenase alpha chain (EC 1.1.1.1)	P07327	39701.49	7.62E-07	0560
523	OPSD_HUMAN (P08100)	Rhodopsin (Opsin 2)	P08100	38866.51	3.01E-09	0574
524	SODE_HUMAN (P08294)	Extracellular superoxide dismutase [Cu-Zn] precursor (EC 1.15.1.1) (EC-SOD)	P08294	25864.7	5.83E-07	0541

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【表 4 - 2 5】

525	DOPO_HUMAN (P09172)	Dopamine beta-hydroxylase precursor (EC 1.14.17.1)	Dopamine beta-monooxygenase	P09172	67570.06	3.69E-03	0574
526	PARP1_HUMAN (P09874)	Poly (ADP-ribose) polymerase 1 (EC 2.4.2.30)	PARP-1 (ADPRT) (NAD(+) ADP-ribo	P09874	112881.4	5.02E-03	0574
527	UCHL1_HUMAN (P09936)	Ubiquitin carboxyl-terminal hydrolase isozyme L1 (EC 3.4.19.12)	(EC 6---) (	P09936	24808.46	8.46E-05	0560
528	ALDOC_HUMAN (P09972)	Fructose-bisphosphate aldolase C (EC 4.1.2.13)	(Brain-type aldolase)	P09972	39300.21	2.20E-05	0578
529	TAU_HUMAN (P10636)	Microtubule-associated protein tau (Neurofibrillary tangle protein) (Paired heli		P10636	78695.63	9.98E-03	0535
530	CO7_HUMAN (P10843)	Complement component C7 precursor		P10843	93457.27	6.15E-04	0552
531	PHS3_HUMAN (P11216)	Glycogen phosphorylase, brain form (EC 2.4.1.1)		P11216	96503.63	2.15E-03	0552
532	K2C3_HUMAN (P12035)	Keratin, type II cytoskeletal 3 (Cytokeratin-3) (CK-3)	(K3) (65 kDa	P12035	64464.63	1.41E-05	0552
533	CO6A1_HUMAN (P12109)	Collagen alpha 1(VI) chain precursor		P12109	108480.1	7.42E-08	0567
534	IMDH2_HUMAN (P12268)	Inosine-5'-monophosphate dehydrogenase 2 (EC 1.1.1.205)	(IMP dehydrogenase 2)	P12268	55760.72	7.59E-03	0571
535	CRAL_HUMAN (P12271)	Cellular retinaldehyde-binding protein (CRALBP)		P12271	36320.25	5.43E-08	0560
536	ANXA3_HUMAN (P12429)	Annexin A3 (Annexin III) (Lipocortin III) (Placental anticoagulant protein III)		P12429	36221.62	8.89E-03	0560
537	K2C5_HUMAN (P13647)	Keratin, type II cytoskeletal 5 (Cytokeratin-5) (CK-5)	(K5) (58 kDa	P13647	62409.08	6.24E-04	0578
538	MTDC_HUMAN (P13895)	Bifunctional methylentetrahydrofolate dehydrogenase/cyclohydrolase, mitochondr		P13895	37296.94	4.32E-03	0541
539	IL1R1_HUMAN (P14778)	Interleukin-1 receptor type I precursor (IL-1R-1) (IL-1R-alpha) (p80		P14778	65360.72	9.77E-03	0549
540	CD19_HUMAN (P15391)	B-lymphocyte antigen CD19 precursor (B-lymphocyte surface antigen B4) (Leu-12)		P15391	61030.84	6.70E-03	0574
541	PLCG2_HUMAN (P16885)	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma 2 (EC 3.1.4.11		P16885	147842.9	7.79E-03	0549
542	ZNF20_HUMAN (P17024)	Zinc finger protein 20 (Zinc finger protein K0X13) (DKFZp672P0920)		P17024	61527.24	5.08E-04	0541
543	AK1C4_HUMAN (P17516)	Aldo-keto reductase family 1 member C4 (EC 1.1.1.-) (Chlorocone reductase) (E		P17516	37071.01	6.23E-03	0571
544	DESM_HUMAN (P17661)	Desmin		P17661	53372.19	2.95E-03	0560
545	ITB6_HUMAN (P18564)	Integrin beta-6 precursor		P18564	85879.23	9.63E-03	0535
546	SDC1_HUMAN (P18827)	Syndecan-1 precursor (SYND1) (CD138 antigen)		P18827	32456.83	6.98E-03	0566

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【表 4 - 2 6】

547	AMID_HUMAN (P19021) Peptidyl-glycine alpha-amidating monooxygenase precursor (EC 1.14.17.3) (PAM)	P19021	108263.4	1.42E-03	0541
548	CADH2_HUMAN (P19022) Neural-cadherin precursor (N-cadherin) (Cadherin-2)	P19022	99789.42	2.80E-04	0556
549	PLCG1_HUMAN (P19174) 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma 1 (EC 3.1.4.11)	P19174	148437.5	2.40E-03	0549
550	ITIH2_HUMAN (P19823) Inter-alpha-trypsin inhibitor heavy chain H2 precursor (ITI heavy chain H2) (I)	P19823	106389.8	6.05E-06	0552
551	HXA5_HUMAN (P20719) Homeobox protein Hox-A5 (Hox-1C)	P20719	29327	2.97E-03	0552
552	PTN_HUMAN (P21246) Pleiotrophin precursor (PTN) (Heparin-binding growth-associated molecule) (HB-GA)	P21246	18829.67	6.84E-04	0567
553	CALB2_HUMAN (P22676) Calretinin (CR) (29 kDa calbindin)	P22676	31601.63	7.50E-05	0578
554	COF1_HUMAN (P23528) Cofilin-1 (Cofilin, non-muscle isoform) (18 kDa phosphoprotein) (p18)	P23528	18359.62	6.52E-06	0578
555	THM_HUMAN (P25325) 3-mercaptopyruvate sulfurtransferase (EC 2.8.1.2) (MST)	P25325	33026.6	8.45E-03	0560
556	ATPA_HUMAN (P25705) ATP synthase alpha chain, mitochondrial precursor (EC 3.6.3.14)	P25705	59713.73	5.75E-04	0578
557	CO8A1_HUMAN (P27658) Collagen alpha 1(VII) chain precursor (Endothelial collagen)	P27658	73317.22	4.71E-03	0578
558	GSTM2_HUMAN (P28161) Glutathione S-transferase Mu 2 (EC 2.5.1.18) (GSTM2-2) (GST class-mu 2)	P28161	26596.95	9.61E-05	0560
559	PRDX6_HUMAN (P30041) Peroxiredoxin 6 (EC 1.11.1.15) (Antioxidant protein 2) (1-Cys peroxiredoxin) (	P30041	24888.15	9.95E-05	0560
560	ILEU_HUMAN (P30740) Leukocyte elastase inhibitor (LEI) (Serpin B1) (Monocyte/neutrophil elastase in	P30740	42714.77	2.07E-03	0571
561	GDI_A_HUMAN (P31150) Rab GDP dissociation inhibitor alpha (Rab GDI alpha) (GDI-1) (XAP-4) (Oligophre	P31150	50550.21	2.15E-09	0578
562	PRDX2_HUMAN (P32119) Peroxiredoxin 2 (EC 1.11.1.15) (Thioredoxin peroxidase 1) (Thioredoxin-depende	P32119	21747.2	9.20E-03	0552
563	MCM5_HUMAN (P33892) DNA replication licensing factor MCM5 (CDC48 homolog) (P1-CDC48)	P33892	82233.27	2.80E-03	0578
564	TSP2_HUMAN (P35442) Thrombospondin-2 precursor	P35442	129871.5	7.68E-03	0552
565	TSP4_HUMAN (P35443) Thrombospondin-4 precursor	P35443	105601.8	7.50E-03	0535
566	PPCKC_HUMAN (P35558) Phosphoenolpyruvate carboxykinase, cytosolic (GTP) (EC 4.1.1.32) (Phosphoenolp	P35558	69163.79	4.40E-03	0541
567	IRS1_HUMAN (P35568) insulin receptor substrate 1 (IRS-1)	P35568	131509	7.44E-03	0541
568	MYH11_HUMAN (P35749) Myosin-11 (Myosin heavy chain, smooth muscle isoform) (SMMHC)	P35749	227197.9	1.79E-03	0560

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【表 4 - 2 7】

569	GLRX1_HUMAN (P35754) Glutaredoxin-1 (Thioltransferase-1) (Tase-1)	P35754	11637.14	9.41E-06	0560
570	ZNF93_HUMAN (P35789) Zinc finger protein 93 (Zinc finger protein HTF34) (Fragment)	P35789	70526.29	8.78E-05	0535
571	MOT8_HUMAN (P36021) Monocarboxylate transporter 8 (MCT 8) (X-linked PEST-containing transporter) (M)	P36021	66357.57	5.94E-03	0587
572	PER1_HUMAN (P41219) Peripherin	P41219	53845.66	8.63E-05	0560
573	JAD1C_HUMAN (P41229) Jumonji/ARID domain-containing protein 1C (SmcX protein) (Xe169 protein)	P41229	175692.8	3.07E-04	0571
574	SK2L2_HUMAN (P42285) Suppressor of viral activity 2-like 2	P42285	117729.4	2.00E-05	0566
575	TEC_HUMAN (P42680) Tyrosine-protein kinase Tec (EC 2.7.1.112)	P42680	73581.92	9.43E-03	0556
576	DCC_HUMAN (P43146) Netrin receptor DCC precursor (Tumor suppressor protein DCC) (Colorectal cancer)	P43146	158356.8	2.63E-03	0541
577	MATR3_HUMAN (P43243) Matrin-3	P43243	94564.67	2.10E-03	0552
578	RANG_HUMAN (P43487) Ran-specific GTPase-activating protein (Ran binding protein 1) (RanBP1)	P43487	23295.58	8.40E-03	0562
579	AFAM_HUMAN (P43652) Afamin precursor (Alpha-albumin) (Alpha-Aib)	P43652	69024.09	3.85E-07	0549
580	S6A12_HUMAN (P48065) Sodium- and chloride-dependent betaine transporter (Na+/Cl-/betaine/GABA transp	P48065	69382.38	9.89E-04	0541
581	PCYT1A_HUMAN (P49585) Choline-phosphate cytidylyltransferase A (EC 2.7.7.15) (Phosphorylcholine tran	P49585	41705.8	6.56E-03	0549
582	PPM1F_HUMAN (P49593) Cal(2+)/calmodulin-dependent protein kinase phosphatase (EC 3.1.3.16) (CaM-kin	P49593	49800.19	4.81E-03	0567
583	NUMB_HUMAN (P49757) Protein numb homolog (n-Numb) (Protein S171)	P49757	70759.55	2.24E-03	0549
584	ST1E1_HUMAN (P49888) Estrogen sulfotransferase (EC 2.8.2.4) (Sulfotransferase, estrogen-prefering)	P49888	35103.59	9.33E-03	0552
585	IDH3A_HUMAN (P50213) Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial precursor (EC 1.1.	P50213	39566.1	6.27E-05	0552
586	PRELP_HUMAN (P51888) Prolargin precursor (Proline-arginine-rich end leucine-rich repeat protein)	P51888	43782.22	3.39E-03	0578
587	NUBP1_HUMAN (P53384) Nucleotide-binding protein 1 (NBP 1) (Beta-COP)	P53384	34566.41	9.03E-03	0552
588	COPB_HUMAN (P53618) Coatomer beta subunit (Beta-coat protein)	P53618	107070.8	6.87E-04	0578
589	COPA_HUMAN (P53621) Coatomer alpha subunit (Alpha-coat protein) (Alpha-COP) (HEPCOP) (HEP-COP) (Con	P53621	138243.8	5.80E-03	0571
590	OAZ1_HUMAN (P54368) Ornithine decarboxylase antizyme (ODC-A2)	P54368	25258.65	5.07E-04	0552

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【表 4 - 2 8】

591	RD23A_HUMAN (P54725) UV excision repair protein RAD23 homolog A (hHR23A)	P54725	39584.69	6.23E-03	0574
592	CAD11_HUMAN (P55287) Cadherin-11 precursor (Osteoblast-cadherin) (OB-cadherin) (OSF-4)	P55287	87994.91	3.30E-03	0578
593	ITA1_HUMAN (P56199) Integrin alpha-1 (Laminin and collagen receptor) (VLA-1) (CD49a)	P56199	127757.1	4.11E-03	0560
594	ANTR2_HUMAN (P58335) Anthrax toxin receptor 2 precursor (Capillary morphogenesis gene 2 protein) (C)	P58335	53658.2	6.76E-03	0567
595	USH3A_HUMAN (P58418) Usher syndrome type 3 protein	P58418	13412.01	4.16E-03	0549
596	NAL12_HUMAN (P59046) NACHT-, LRR- and PYD-containing protein 12 (PYRIN-containing APAF1-like protein)	P59046	120095.3	7.26E-05	0552
597	RAB15_HUMAN (P59190) Ras-related protein Rab-15	P59190	24375.19	8.65E-03	0535
598	SNP25_HUMAN (P60880) Synaposomal-associated protein 25 (SNAP-25) (Synaposomal-associated 25 kDa p)	P60880	23300.21	8.96E-04	0571
599	PSME3_HUMAN (P61289) Proteasome activator complex subunit 3 (Proteasome activator 28-gamma subunit)	P61289	29487.55	4.58E-03	0578
600	HNRPK_HUMAN (P61978) Heterogeneous nuclear ribonucleoprotein K (hnRNP K) (Transformation up-regulat	P61978	50944.43	5.90E-06	0578
601	NCS1_HUMAN (P62166) Neuronal calcium sensor 1 (NCS-1) (Frequentin homolog) (Frequentin-like protein)	P62166	21733.87	2.01E-03	0535
602	1433E_HUMAN (P62258) 14-3-3 protein epsilon (14-3-3E)	P62258	29155.42	5.71E-06	0560
603	GBB1_HUMAN (P62873) Guanine nucleotide-binding protein G(I)/G(S)/G(T) beta subunit 1 (Transducin be	P62873	37221.98	9.16E-04	0574
604	IF4G2_HUMAN (P78344) Eukaryotic translation initiation factor 4 gamma 2 (eIF-4-gamma 2) (eIF-4G 2)	P78344	102296.8	8.98E-03	0552
605	IRX4_HUMAN (P78413) Iroquois-class homeodomain protein IRX-4 (Iroquois homeobox protein 4) (Homeodo	P78413	54411.1	9.00E-03	0552
606	M3K9_HUMAN (P80192) Mitogen-activated protein kinase kinase kinase 9 (EC 2.7.1.37) (Mixed lineage k	P80192	121788.7	8.54E-04	0574
607	TSG6_HUMAN (P98066) Tumor necrosis factor-inducible protein TSG-6 precursor (TNF-stimulated gene 6	P98066	31183.3	5.22E-03	0552
608	LRP2_HUMAN (P98164) Low-density lipoprotein receptor-related protein 2 precursor (Megalin) (Glycopr	P98164	521587.6	1.10E-03	0541
609	K22O_HUMAN (Q01546) Keratin, type II cytoskeletal 2 oral (Cytokeratin-2P) (K2P) (CK 2P)	Q01546	65830.09	7.49E-03	0574
610	KIF23_HUMAN (Q02241) Kinesin-like protein KIF23 (Mitotic kinesin-like protein 1) (Kinesin-like prot	Q02241	98043.87	6.25E-03	0578
611	GNA12_HUMAN (Q03113) Guanine nucleotide-binding protein, alpha-12 subunit (G alpha 12)	Q03113	44120.41	4.17E-03	0567
612	ERCC6_HUMAN (Q03468) DNA excision repair protein ERCC-6 (Cockayne syndrome protein CSB)	Q03468	168310.9	7.25E-03	0571

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【表 4 - 2 9】

613	FHR1_HUMAN (Q03591) Complement factor H-related protein 1 precursor (FHR-1) (H factor-like protein)	Q03591	37636.97	6.53E-08	0535
614	K1C17_HUMAN (Q04695) Keratin, type I cytoskeletal 17 (Cytokeratin-17) (CK-17) (Keratin-17) (K17) (3)	Q04695	47945.07	8.27E-04	0578
615	AK1C1_HUMAN (Q04828) Aldo-keto reductase family 1 member C1 (EC 1.1.1.-) (20-alpha-hydroxysteroid d	Q04828	36765.05	7.32E-03	0560
616	1433F_HUMAN (Q04917) 14-3-3 protein eta (Protein AS1)	Q04917	28069.98	5.34E-03	0578
617	PTN12_HUMAN (Q05209) Tyrosine-protein phosphatase, non-receptor type 12 (EC 3.1.3.48) (Protein-tyro	Q05209	88065.49	6.26E-03	0556
618	KPCZ_HUMAN (Q05513) Protein kinase C, zeta type (EC 2.7.1.37) (nPKC-zeta)	Q05513	57616.83	8.99E-05	0567
619	AMPE_HUMAN (Q07075) Glutamyl aminopeptidase (EC 3.4.11.7) (EAP) (Aminopeptidase A) (APA) (Different	Q07075	109175.6	6.99E-03	0552
620	Q07900 (Q07900) M130 antigen cytoplasmic variant 2 precursor	Q07900	125271.2	1.61E-05	0541
621	Q08357 (Q08357) Leukemia virus receptor 2 (Solute carrier family 20, member 2)	Q08357	70347.52	8.11E-03	0556
622	MFGM_HUMAN (Q08431) Lactadherin precursor (Milk fat globule-EGF factor 8) (MFG-E8) (HMFG) (Breast e	Q08431	43085.48	7.96E-04	0567
623	KIF1A_HUMAN (Q12756) Kinesin-like protein KIF1A (Axonal transporter of synaptic vesicles)	Q12756	190863.1	4.17E-03	0567
624	CHD3_HUMAN (Q12873) Chromodomain helicase-DNA-binding protein 3 (CHD-3) (Mi-2 autoantigen 240 kDa p	Q12873	220552.2	8.41E-03	0556
625	SEPR_HUMAN (Q12884) Seprase (EC 3.4.21.-) (Fibroblast activation protein alpha) (Integral membrane	Q12884	87764.87	4.65E-03	0541
626	PTN13_HUMAN (Q12923) Tyrosine-protein phosphatase, non-receptor type 13 (EC 3.1.3.48) (Protein-tyro	Q12923	276731.3	2.13E-03	0578
627	NFX1_HUMAN (Q12986) Transcriptional repressor NF-X1 (EC 6.3.2.-) (Nuclear transcription factor, X b	Q12986	123067.8	9.18E-03	0571
628	AKAP6_HUMAN (Q13023) A-kinase anchor protein 6 (Protein kinase A anchoring protein 6) (PRKA6) (A-ki	Q13023	256503.6	1.24E-03	0578
629	NMDE2_HUMAN (Q13224) Glutamate [NMDA] receptor subunit epsilon 2 precursor (N-methyl D-aspartate re	Q13224	166280.7	4.73E-03	0571
630	ATM_HUMAN (Q13315) Serine-protein Kinase ATM (EC 2.7.1.37) (Ataxia telangiectasia mutated) (A-T, mu	Q13315	350417.1	7.00E-03	0552
631	LSAMP_HUMAN (Q13449) Limbic system-associated membrane protein precursor (LSAMP)	Q13449	37285.17	3.50E-06	0567
632	MYO9B_HUMAN (Q13459) Myosin-9B (Myosin IXb) (Unconventional myosin-9b)	Q13459	243404.2	3.54E-03	0541
633	SNX1_HUMAN (Q13586) Sorting nexin-1	Q13586	59033.21	1.83E-03	0578
634	HRB2_HUMAN (Q13601) HIV-1 Rev-binding protein 2 (Rev-interacting protein 1) (Rip-1)	Q13601	43506.66	5.33E-03	0549

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【表 4 - 3 0】

635	Q13715 (Q13715) Hypothetical protein	Q13715	26684.33	1.29E-03	0549
636	Q13876 (Q13876) Bone-derived growth factor (Fragment)	Q13876	86341.05	4.51E-03	0567
637	PEBB_HUMAN (Q13951) Core-binding factor, beta subunit (CBF-beta) (Polyomavirus enhancer binding protein)	Q13951	21494.7	2.21E-03	0541
638	KO153_HUMAN (Q14166) Protein KIAA0153	Q14166	74356.21	3.83E-03	0567
639	DOCK1_HUMAN (Q14185) Dedicator of cytokinesis protein 1 (180 kDa protein downstream of CRK) (DOCK18)	Q14185	215237.7	6.65E-03	0578
640	BTG3_HUMAN (Q14201) BTG3 protein (Tob5 protein) (Abundant in neuroepithelium area protein)	Q14201	29097.7	7.78E-03	0578
641	SMRA3_HUMAN (Q14527) SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily 3 protein	Q14527	113856.7	2.41E-03	0560
642	DESC3_HUMAN (Q14574) Desmocollin-3 precursor (Desmocollin-4) (HT-CP)	Q14574	99850.31	6.01E-03	0552
643	SMC1A_HUMAN (Q14683) Structural maintenance of chromosome 1-like 1 protein (SMC1alpha protein) (DXS)	Q14683	143143.6	4.09E-03	0549
644	NUMA1_HUMAN (Q14980) Nuclear mitotic apparatus protein 1 (NUMA protein) (SP-H antigen)	Q14980	238128.2	8.47E-03	0552
645	Q15015 (Q15015) KIAA0155 protein (Fragment)	Q15015	135595.6	6.25E-03	0549
646	PLCB4_HUMAN (Q15147) 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta 4 (EC 3.1.4.11)	Q15147	134377.8	6.87E-03	0560
647	PTPRK_HUMAN (Q15262) Receptor-type tyrosine-protein phosphatase kappa precursor (EC 3.1.3.48) (Prot)	Q15262	161984.1	1.51E-03	0552
648	ERBB4_HUMAN (Q15303) Receptor tyrosine-protein kinase erbB-4 precursor (EC 2.7.1.112) (p180erbB4) (	Q15303	146712.7	9.26E-03	0560
649	Q15464 (Q15464) Shb	Q15464	64485.34	4.62E-03	0552
650	TAIF7_HUMAN (Q15545) Transcription initiation factor TFIIID subunit 7 (Transcription initiation factor)	Q15545	40234.48	8.84E-04	0556
651	PTN14_HUMAN (Q15678) Tyrosine-protein phosphatase, non-receptor type 14 (EC 3.1.3.48) (Protein-tyro	Q15678	135153.4	9.35E-04	0567
652	MYLK_HUMAN (Q15746) Myosin light chain kinase, smooth muscle and non-muscle isozymes (EC 2.7.1.117)	Q15746	210840.8	7.59E-03	0558
653	Q15751 (Q15751) P632	Q15751	531849.4	5.49E-03	0541
654	NCOA1_HUMAN (Q15788) Nuclear receptor coactivator 1 (EC 2.3.1.48) (NCoA-1) (Steroid receptor coacti	Q15788	156641.7	9.06E-03	0556
655	RK_HUMAN (Q15835) Rhodopsin kinase (EC 2.7.1.125) (RK) (G protein-coupled receptor kinase 1)	Q15835	63485.22	9.90E-03	0541
656	NTRK3_HUMAN (Q16288) NT-3 growth factor receptor precursor (EC 2.7.1.112) (Neurotrophic tyrosine ki	Q16288	94394.73	7.95E-03	0552

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【表 4 - 3 1】

657	AINX_HUMAN (Q16352) Alpha-internexin (Alpha-Inx) (66 kDa neurofilament protein) (Neurofilament-66)	Q16352	55357.48	9.91E-06	0560
658	DPYL2_HUMAN (Q16555) Dihydropyrimidinase-related protein 2 (DRP-2) (Collapsin response mediator pro	Q16555	62254.68	4.35E-03	0578
659	KCC4_HUMAN (Q16566) Calcium/calmodulin-dependent protein kinase type IV (EC 2.7.1.123) (CAM kinase-	Q16566	51892.92	6.14E-03	0541
660	QPCT_HUMAN (Q16769) Glutaminyl-peptide cyclotransferase precursor (EC 2.3.2.5) (QC) (Glutaminyl-PRN	Q16769	40850.86	1.50E-05	0574
661	DDR2_HUMAN (Q16832) Discoidin domain receptor 2 precursor (EC 2.7.1.112) (Receptor protein-tyrosine	Q16832	96689.9	7.92E-03	0556
662	Q30217 (Q30217) MHC class II HLA-DRB9 (Fragment)	Q30217	10482.02	3.95E-03	0571
663	Q3Y8G9 (Q3Y8G9) Shank2E (Fragment)	Q3Y8G9	78504.73	2.27E-03	0552
664	Q4G0R3 (Q4G0R3) Zinc finger protein 553	Q4G0R3	67736.06	5.90E-03	0549
665	Q4VC04 (Q4VC04) Hypothetical protein	Q4VC04	32092.91	1.44E-03	0574
666	Q4VC34 (Q4VC34) Hypothetical protein LOC285331	Q4VC34	96569.61	3.20E-03	0574
667	Q503A8 (Q503A8) H2A histone family, member Y, isoform 3	Q503A8	39520.48	1.92E-05	0560
668	Q52LF0 (Q52LF0) Hypothetical protein KIAA1604	Q52LF0	105470.4	3.01E-03	0556
669	Q53ET0 (Q53ET0) Hypothetical protein (Fragment)	Q53ET0	73246.46	6.72E-03	0560
670	Q53F17 (Q53F17) Four and a half LIM domains 1 variant (Fragment)	Q53F17	31873.79	8.89E-03	0560
671	Q53FS5 (Q53FS5) Processing of 5, ribonuclease P/MRP subunit isoform a variant (Fragment)	Q53FS5	18827.56	6.09E-03	0567
672	Q53GL8 (Q53GL8) Hypothetical protein (Fragment)	Q53GL8	50985.3	6.34E-03	0571
673	Q53HB9 (Q53HB9) DEAD (Asp-Glu-Ala-Asp) box polypeptide 56 variant (Fragment)	Q53HB9	61527.04	7.24E-03	0574
674	Q562R4 (Q562R4) Actin-like protein (Fragment)	Q562R4	11602.93	7.88E-03	0541
675	Q58FG0 (Q58FG0) Heat shock protein 90Ae	Q58FG0	38713.81	5.09E-03	0560
676	Q59EM4 (Q59EM4) Dipeptidyl-peptidase II variant (Fragment)	Q59EM4	41299	1.20E-06	0541
677	Q59F14 (Q59F14) Neutrophil cytosol factor 2 variant (Fragment)	Q59F14	67545.52	1.67E-03	0567
678	Q59FE2 (Q59FE2) Kelch-like domain 1 isoform a variant (Fragment)	Q59FE2	22233.73	3.08E-03	0549

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【表 4 - 3 2】

679	Q59FF3 (Q59FF3) RUN and FYVE domain-containing 1 variant (Fragment)	Q59FF3	35416.27	9.36E-03	0552
680	Q59FH8 (Q59FH8) Diaphanous 1 variant (Fragment)	Q59FH8	143694.7	3.46E-03	0560
681	Q59FM2 (Q59FM2) PWP2 periodic tryptophan protein homolog (Fragment)	Q59FM2	33468.2	2.68E-03	0552
682	Q59H20 (Q59H20) Hypothetical protein hypothetical protein FLJ21019 variant (Fragment)	Q59H20	84815.45	8.36E-03	0571
683	Q5FBB4 (Q5FBB4) Shugoshin-like protein 1, transcript variant C1 (Shugoshin 1AB protein)	Q5FBB4	29414.54	4.61E-03	0571
684	Q5H9B9 (Q5H9B9) BMP2 inducible kinase-like (Fragment)	Q5H9B9	45747.61	9.00E-03	0535
685	Q5JQM8 (Q5JQM8) Complement component 4A	Q5JQM8	192663.6	2.32E-07	0556
686	Q5JR12 (Q5JR12) Novel protein	Q5JR12	54799.88	7.16E-03	0556
687	Q5JR20 (Q5JR20) Deleted in malignant brain tumors 1	Q5JR20	260464.6	1.08E-06	0552
688	Q5JR58 (Q5JR58) Glyceraldehyde 3-phosphate dehydrogenase (GAPDH)	Q5JR58	36686.48	4.72E-03	0560
689	Q5JRA5 (Q5JRA5) C219-reactive peptide (FLJ39207)	Q5JRA5	56548.96	9.28E-03	0571
690	KCNT1_HUMAN (Q5JUK3) Potassium channel subfamily T member 1 (KCae4.1)	Q5JUK3	136254.3	4.00E-03	0571
691	Q5JUN8 (Q5JUN8) Protein kinase C, theta (Fragment)	Q5JUN8	55350.32	3.63E-03	0571
692	Q5JVG2 (Q5JVG2) Zinc finger protein 484	Q5JVG2	98157.78	7.77E-03	0552
693	Q6JYA3 (Q6JYA3) Methylene tetrahydrofolate dehydrogenase (NADP+ dependent) 1-like (Fragment)	Q6JYA3	12417.52	3.22E-03	0560
694	Q5JZ84 (Q5JZ84) OTTHUMP00000028514 (Fragment)	Q5JZ84	83801.98	1.58E-04	0549
695	Q5NV92 (Q5NV92) V5-6 protein (Fragment)	Q5NV92	10567.04	2.66E-05	0535
696	Q5QGN2 (Q5QGN2) HSPC069 isoform b	Q5QGN2	135851	2.88E-03	0541
697	Q5RI13 (Q5RI13) Novel protein (FLJ36760)	Q5RI13	66266	5.57E-03	0556
698	Q5SW71 (Q5SW71) Novel protein	Q5SW71	15510.08	1.16E-03	0556
699	Q5T3P5 (Q5T3P5) Lecitin, galactoside-binding, soluble, 8 (Galectin 8)	Q5T3P5	40371.93	7.60E-03	0567
700	Q5T3U5 (Q5T3U5) ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Q5T3U5	161526.7	7.82E-03	0541

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【表 4 - 3 3】

701	Q5T583 (Q5T583) Filaggrin	Q5T583	434921.4	3.44E-03	0574
702	Q5T7V5 (Q5T7V5) OTTHUMP0000021437 (Fragment)	Q5T7V5	32396.05	3.45E-05	0552
703	Q5TAT4 (Q5TAT4) Collagen, type XIII, alpha 1	Q5TAT4	66335.54	5.68E-03	0552
704	Q5TGZ2 (Q5TGZ2) Neuroblastoma, suppression of tumorigenicity 1	Q5TGZ2	19395.18	1.19E-08	0574
705	Q5TI99 (Q5TI99) HBxAg transactivated protein 2 (XTP2)	Q5TI99	295618.6	2.64E-03	0541
706	Q5UE57 (Q5UE57) Alcadin beta	Q5UE57	108966	2.12E-03	0541
707	RIF1_HUMAN (Q5UIP0) Telomere-associated protein RIF1 (Rap1-interacting factor 1 homolog)	Q5UIP0	274293	3.33E-03	0571
708	Q5VSR9 (Q5VSR9) Novel protein similar to Gorilla gorilla SPANX N member 1 (SPANX-N1)	Q5VSR9	8257.914	2.10E-03	0574
709	Q5VUL6 (Q5VUL6) Filamin A interacting protein 1	Q5VUL6	127127.2	5.43E-03	0567
710	Q5V35 (Q5V35) Sarcomeric protein myopalladin, 145 kDa (MYOP)	Q5V35	145166.5	5.43E-03	0571
711	Q5V84 (Q5V84) Protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting pro	Q5V84	134709.6	7.99E-03	0578
712	Q5VXU2 (Q5VXU2) Propionyl Coenzyme A carboxylase, alpha polypeptide	Q5VXU2	80235.37	4.21E-03	0566
713	CI084_HUMAN (Q5VXU9) Hypothetical protein C9orf84	Q5VXU9	165098.9	1.90E-04	0541
714	Q5V7 (Q5V7) OTTHUMP0000030279	Q5V7	45523.54	6.48E-03	0578
715	Q5VZ60 (Q5VZ60) SMC5 structural maintenance of chromosomes 5-like 1 (Yeast)	Q5VZ60	128725.4	9.83E-03	0535
716	Q5VZP5 (Q5VZP5) Novel protein	Q5VZP5	130096	1.22E-03	0574
717	Q5VZV4 (Q5VZV4) OTTHUMP0000021537	Q5VZV4	19621.98	1.41E-03	0574
718	Q5W025 (Q5W025) Breast cancer antigen NY-BR-1	Q5W025	152577.7	3.02E-03	0567
719	Q64FX8 (Q64FX8) AKNA transcript D	Q64FX8	155043.7	6.17E-03	0560
720	Q66K66 (Q66K66) Similar to RIKEN cDNA A230078J05 gene	Q66K66	39449.22	9.20E-04	0556
721	Q66K74 (Q66K74) BPY2 interacting protein 1	Q66K74	112158.2	1.08E-03	0549
722	Q68BL7 (Q68BL7) Photomedin-1	Q68BL7	73008.82	3.36E-03	0578

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【表 4 - 3 4】

723	Q88CR1 (Q88CR1) Hypothetical protein DKFZp781J1697	Q88CR1	125119.3	6.96E-03	0574
724	Q88CZ6 (Q88CZ6) Hypothetical protein DKFZp8861868	Q88CZ6	69606.88	5.97E-03	0560
725	Q88DN6 (Q88DN6) Hypothetical protein DKFZp781D1923	Q88DN6	196563.1	2.98E-03	0552
726	Q88DS5 (Q88DS5) Hypothetical protein DKFZp886L17246	Q88DS5	75999.35	9.04E-03	0560
727	Q88DX7 (Q88DX7) Hypothetical protein DKFZp886E0722 (Fragment)	Q88DX7	238959.4	7.57E-03	0552
728	Q895L1 (Q895L1) Striated muscle preferentially expressed protein (Fragment)	Q895L1	335326.6	3.70E-03	0549
729	Q6AI27 (Q6AI27) Hypothetical protein DKFZp886D19113	Q6AI27	18340.52	9.00E-03	0552
730	Q6GMX5 (Q6GMX5) IGHM protein	Q6GMX5	65263.74	4.28E-11	0571
731	Q6IA35 (Q6IA35) TOE1 protein	Q6IA35	56542.05	1.06E-03	0560
732	Q6IEW7 (Q6IEW7) Olfactory receptor OR11-318	Q6IEW7	36383.73	5.13E-03	0560
733	Q6IFC7 (Q6IFC7) Olfactory receptor OR11-178	Q6IFC7	38321	7.40E-03	0571
734	Q6IPW0 (Q6IPW0) FLJ10404 protein (Fragment)	Q6IPW0	53802.47	1.90E-03	0541
735	Q6IQ38 (Q6IQ38) USP36 protein	Q6IQ38	122732.4	1.53E-03	0541
736	Q6MZQ6 (Q6MZQ6) Hypothetical protein DKFZp886G11190	Q6MZQ6	52010	2.21E-05	0535
737	Q6N041 (Q6N041) Hypothetical protein DKFZp886O16217 (Fragment)	Q6N041	54090.52	6.94E-05	0571
738	Q6NW26 (Q6NW26) KCTD18 protein	Q6NW26	46707.95	4.66E-03	0556
739	Q6NW33 (Q6NW33) KRT19 protein (Fragment)	Q6NW33	46179.44	1.14E-04	0552
740	Q6NXG6 (Q6NXG6) NUP210 protein	Q6NXG6	105744	8.93E-03	0567
741	Q6P5Q7 (Q6P5Q7) LOC493860 protein	Q6P5Q7	45455.3	9.77E-03	0541
742	Q6P6A7 (Q6P6A7) LOC152217 protein (Hypothetical protein DKFZp7821415)	Q6P6A7	10884	7.46E-03	0541
743	Q6P714 (Q6P714) Hypothetical protein	Q6P714	7455.124	3.48E-03	0541
744	Q6PJ04 (Q6PJ04) DKFZp434H0115 protein	Q6PJ04	33022.06	5.07E-04	0541

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【表 4 - 3 5】

745	Q6PQJ5 (Q6PQJ5) Forkhead box R2		Q6PQJ5	35901.31	5.28E-03	0560
746	Q6QNJ9 (Q6QNJ9) Steroid acute regulatory protein (Fragment)		Q6QNJ9	3219.632	4.26E-03	0574
747	Q6TXQ4 (Q6TXQ4) H3L-like histone (Fragment)		Q6TXQ4	12096.65	1.69E-07	0560
748	ANR12_HUMAN (Q6UB98) Ankyrin repeat domain protein 12 (Ankyrin repeat-containing cofactor 2) (GAC-1)		Q6UB98	235518.9	6.66E-03	0567
749	Q6UTX4 (Q6UTX4) Hypothetical protein		Q6UTX4	32526.76	6.91E-04	0549
750	ARSK_HUMAN (Q6UWY0) Arylsulfatase K precursor (EC 3.1.6.-) (ASK) (Telethon sulfatase)		Q6UWY0	61411.18	8.34E-03	0556
751	Q6UXE9 (Q6UXE9) EQYK340		Q6UXE9	94970.7	2.31E-03	0571
752	Q6V0I7 (Q6V0I7) Fat-like cadherin FATJ protein		Q6V0I7	350970.7	3.36E-03	0574
753	Q6ZMY0 (Q6ZMY0) Hypothetical protein FLJ16598		Q6ZMY0	150875.1	2.71E-03	0549
754	Q6ZMY7 (Q6ZMY7) Hypothetical protein FLJ16577		Q6ZMY7	30088.58	7.13E-03	0571
755	Q6ZN00 (Q6ZN00) Hypothetical protein FLJ16553		Q6ZN00	21580.88	5.42E-03	0541
756	Q6ZN07 (Q6ZN07) Hypothetical protein FLJ16540		Q6ZN07	56924.62	2.37E-03	0549
757	FGD5_HUMAN (Q6ZNL6) FYVE, RhoGEF and PH domain containing protein 5 (Zinc finger FYVE domain contai		Q6ZNL6	159806.6	5.65E-03	0567
758	Q6ZR22 (Q6ZR22) Hypothetical protein FLJ46715		Q6ZR22	148787.5	6.45E-03	0567
759	Q6ZR59 (Q6ZR59) Hypothetical protein FLJ46623		Q6ZR59	14124.17	7.53E-03	0549
760	Q6ZRB9 (Q6ZRB9) Hypothetical protein FLJ46489		Q6ZRB9	27860.95	7.73E-03	0535
761	Q6ZRF6 (Q6ZRF6) Hypothetical protein FLJ46386		Q6ZRF6	21524.64	1.11E-03	0567
762	Q6ZRG5 (Q6ZRG5) Hypothetical protein FLJ46369		Q6ZRG5	24107.1	7.11E-04	0541
763	Q6ZRJ1 (Q6ZRJ1) Hypothetical protein FLJ46323		Q6ZRJ1	111189.1	4.80E-04	0556
764	Q6ZRR7 (Q6ZRR7) Hypothetical protein FLJ46156		Q6ZRR7	128052.8	5.12E-03	0560
765	Q6ZRV2 (Q6ZRV2) Hypothetical protein FLJ46072		Q6ZRV2	94258.88	5.38E-03	0574
766	Q6ZRZ7 (Q6ZRZ7) Hypothetical protein FLJ45950		Q6ZRZ7	14798.13	7.18E-03	0552

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【表 4 - 3 6】

767	Q6ZRZ8 (Q6ZRZ8) cDNA FLJ45949 fis, clone PLACE7007973	Q6ZRZ8	54349.71	7.27E-03	0571
768	Q6ZST2 (Q6ZST2) Hypothetical protein FLJ45231	Q6ZST2	14400.26	2.83E-03	0556
769	Q6ZT81 (Q6ZT81) Hypothetical protein FLJ44894	Q6ZT81	25240.86	5.58E-04	0541
770	Q6ZTK3 (Q6ZTK3) Hypothetical protein FLJ44574	Q6ZTK3	110872	5.85E-03	0578
771	Q6ZUD4 (Q6ZUD4) Hypothetical protein FLJ43798	Q6ZUD4	15462.47	6.23E-03	0578
772	Q6ZVG1 (Q6ZVG1) Hypothetical protein FLJ42621	Q6ZVG1	78363.38	4.81E-03	0541
773	Q6ZVT0 (Q6ZVT0) Hypothetical protein FLJ42131	Q6ZVT0	74946.23	2.71E-03	0541
774	TBA3_HUMAN (Q71U36) Tubulin alpha-3 chain (Alpha-tubulin 3) (Tubulin B-alpha-1)	Q71U36	50103.65	2.47E-03	0552
775	MARK2_HUMAN (Q7KZ17) Serine/threonine-protein kinase MARK2 (EC 2.7.1.37) (MAP/microtubule affinity-	Q7KZ17	87855.99	7.95E-03	0578
776	CHST3_HUMAN (Q7LGC8) Carbohydrate sulfotransferase 3 (EC 2.8.2.17) (Chondroitin 6-sulfotransferase)	Q7LGC8	54638.37	3.38E-03	0560
777	Q7RTR4 (Q7RTR4) NOD16	Q7RTR4	119351.7	5.77E-03	0560
778	Q7RTS7 (Q7RTS7) Keratin 5c	Q7RTS7	59833.45	7.49E-03	0574
779	Q7Z353 (Q7Z353) Hypothetical protein DKFZp866K21166	Q7Z353	77157.85	1.10E-03	0549
780	Q7Z374 (Q7Z374) Hypothetical protein DKFZp886C02218 (Fragment)	Q7Z374	53741.82	2.73E-12	0571
781	Q7Z379 (Q7Z379) Hypothetical protein DKFZp886K04218 (Fragment)	Q7Z379	51587.73	8.88E-04	0560
782	Q7Z3E7 (Q7Z3E7) Hypothetical protein DKFZp886K091	Q7Z3E7	245494.7	2.29E-03	0552
783	Q7Z3I3 (Q7Z3I3) Hypothetical protein DKFZp886F07114	Q7Z3I3	123251.3	2.63E-03	0567
784	Q7Z3Q5 (Q7Z3Q5) Hypothetical protein DKFZp313G216	Q7Z3Q5	57159.47	2.63E-03	0574
785	Q7Z431 (Q7Z431) Putative NFKB activating protein	Q7Z431	39758.47	3.81E-03	0560
786	GLT15_HUMAN (Q7Z4T8) Probable N-acetylglucosaminyltransferase 15 (EC 2.4.1.-) (Protein-UDP acetyl	Q7Z4T8	51447.66	7.55E-03	0574
787	CN028_HUMAN (Q7Z5M8) Protein C14orf29	Q7Z5M8	40749.98	6.91E-03	0567
788	Q7Z5R6 (Q7Z5R6) Amyloid beta (A4) protein-binding, family B, member 1 interacting protein	Q7Z5R6	73137.02	8.83E-03	0560

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【表 4 - 3 7】

789	Q7Z6B9 (Q7Z6B9) ZNF618 protein (Fragment)	Q7Z6B9	96694.38	2.86E-03	0552
790	GRASP_HUMAN (Q7Z6J2) General receptor for phosphoinositides 1-associated scaffold protein (GRP1-ass	Q7Z6J2	42597.13	9.65E-04	0574
791	Q86T80 (Q86T80) Hypothetical protein DKFZp451M0318	Q86T80	40591.57	1.39E-03	0549
792	ITC6_HUMAN (Q86TZ1) Tetraicopeptide repeat protein 6 (TPR repeat protein 6)	Q86TZ1	59340.45	4.63E-03	0552
793	Q86UP3 (Q86UP3) Zinc finger homeodomain 4 protein	Q86UP3	333481.6	5.15E-03	0567
794	Q86UW7 (Q86UW7) Ca2+-dependent activator protein for secretion 2	Q86UW7	147548.8	6.37E-05	0560
795	IQGA3_HUMAN (Q86V13) Ras GTPase-activating-like protein IQGAP3	Q86V13	184430.7	4.73E-03	0552
796	Q86WM1 (Q86WM1) Zinc finger protein ZNF284 (Fragment)	Q86WM1	23555.48	4.66E-03	0578
797	Q86WN2 (Q86WN2) Interferon epsilon-1 (interferon-epsilon)	Q86WN2	24398.87	2.14E-03	0552
798	ZN227_HUMAN (Q86WZ6) Zinc finger protein 227	Q86WZ6	91973.55	3.55E-03	0578
799	Q86Y06 (Q86Y06) Sister-of-mammalian grainyhead isoform 1	Q86Y06	68275.58	4.30E-03	0571
800	GPR97_HUMAN (Q86Y34) Probable G-protein coupled receptor 97 precursor (G-protein coupled receptor P	Q86Y34	60821.61	3.61E-03	0552
801	XYLT1_HUMAN (Q86Y38) Xylosyltransferase 1 (EC 2.4.2.26) (Xylosyltransferase I) (Xylt-I) (XT-I) (Pep	Q86Y38	107501.6	9.95E-03	0541
802	Q86YK7 (Q86YK7) Heat shock regulated-1	Q86YK7	222895.4	5.99E-03	0574
803	Q8IU65 (Q8IU65) Axonemal dynein heavy chain 8 isoform 2 (Axonemal dynein heavy chain 8 isoform 3) (	Q8IU65	23934.03	9.23E-03	0556
804	Q8IXR4 (Q8IXR4) LOC388906 protein (Fragment)	Q8IXR4	23682.2	6.65E-03	0567
805	Q8Y89 (Q8Y89) FLJ21062 protein	Q8Y89	25602.36	3.70E-03	0552
806	ZN440_HUMAN (Q8YI8) Zinc finger protein 440	Q8YI8	69080.77	3.73E-03	0549
807	Q8IZA4 (Q8IZA4) ELYS transcription factor-like protein TMBS62	Q8IZA4	256022.6	1.35E-03	0567
808	CND39_HUMAN (Q8N1H7) Hypothetical protein C14orf39	Q8N1H7	66199.46	9.14E-03	0552
809	Q8N392 (Q8N392) Hypothetical protein DKFZp762167	Q8N392	74900.02	9.10E-03	0560
810	Q8N393 (Q8N393) Hypothetical protein DKFZp762137	Q8N393	89778.09	3.80E-03	0567

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【表 4 - 3 8】

811	MILK1_HUMAN (Q8N3F8) Molecule interacting with Rab13 (MIRab13) (MICAL-like protein 1)	Q8N3F8	93383.18	3.21E-03	0535
812	Q8N3I3 (Q8N3I3) Hypothetical protein DKFZp761P18121	Q8N3I3	81550.7	1.87E-03	0552
813	Q8N4J6 (Q8N4J6) KIAA1205 protein (Fragment)	Q8N4J6	65079.45	3.22E-03	0541
814	Q8N4L2 (Q8N4L2) Hypothetical protein TMEM55A	Q8N4L2	28062.28	4.65E-03	0578
815	Q8N549 (Q8N549) Hypothetical protein C8orf36	Q8N549	27915	5.67E-03	0556
816	Q8N5C6 (Q8N5C6) FLJ10379 protein	Q8N5C6	69669.68	3.13E-04	0552
817	LZTR1_HUMAN (Q8N653) Leucine-zipper-like transcriptional regulator 1 (LZTR-1)	Q8N653	94658.3	2.08E-03	0556
818	Q8N6E7 (Q8N6E7) KIAA1430 protein	Q8N6E7	50506.21	3.91E-04	0556
819	Q8N780 (Q8N780) Hypothetical protein FLJ25943	Q8N780	33347.2	7.92E-03	0535
820	Q8N7A6 (Q8N7A6) Hypothetical protein FLJ25862	Q8N7A6	21106.6	1.15E-03	0549
821	Q8N7S0 (Q8N7S0) Hypothetical protein FLJ40424	Q8N7S0	13945.2	8.51E-03	0541
822	Q8N819 (Q8N819) Hypothetical protein FLJ40125	Q8N819	37141.55	4.13E-03	0552
823	Q8N853 (Q8N853) Hypothetical protein FLJ40006	Q8N853	18183.24	1.02E-03	0574
824	Q8N8V3 (Q8N8V3) Hypothetical protein FLJ38820	Q8N8V3	20250.83	5.60E-03	0567
825	Q8N905 (Q8N905) Hypothetical protein FLJ38620	Q8N905	42098.63	5.67E-04	0549
826	Q8N951 (Q8N951) Hypothetical protein FLJ38360	Q8N951	46744.87	3.01E-03	0567
827	Q8NA95 (Q8NA95) Hypothetical protein FLJ35725	Q8NA95	41300.77	2.84E-03	0560
828	SMYD1_HUMAN (Q8NB12) SET and MYND domain containing protein 1	Q8NB12	56579.95	6.20E-03	0549
829	UBP38_HUMAN (Q8NB14) Ubiquitin carboxy-terminal hydrolase 38 (EC 3.12.15) (Ubiquitin thiolesterase)	Q8NB14	116472.1	1.24E-03	0549
830	S4A11_HUMAN (Q8NBS3) Sodium bicarbonate transporter-like protein 11 (Bicarbonate transporter-related)	Q8NBS3	99517.14	6.08E-03	0560
831	SCPDH_HUMAN (Q8NBX0) Probable saccharopine dehydrogenase (EC 1.5.1.9)	Q8NBX0	47121.48	6.82E-03	0541
832	Q8NC98 (Q8NC98) Hypothetical protein FLJ90397	Q8NC98	36994.11	4.44E-03	0549

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【表 4 - 3 9】

833	Q8ND50 (Q8ND50) Hypothetical protein DKFZp547N203 (Fragment)	Q8ND50	105208.9	1.39E-06	0541
834	Q8NDA2 (Q8NDA2) Hypothetical protein DKFZp434P0216 (Fragment)	Q8NDA2	143799.3	3.16E-03	0560
835	ABCF1_HUMAN (Q8NE71) ATP-binding cassette sub-family F member 1 (ATP-binding cassette 50) (TNF-alpha)	Q8NE71	95868.58	1.91E-03	0535
836	NFAM1_HUMAN (Q8NET5) NFAT activation molecule 1 precursor (Calcineurin/NFAT-activating ITAM-contain	Q8NET5	29867.17	5.08E-03	0541
837	Q8NF06 (Q8NF06) FLJ00398 protein (Fragment)	Q8NF06	72000.41	8.89E-03	0552
838	SYNE1_HUMAN (Q8NF91) Nesprin-1 (Nuclear envelope spectrin repeat protein 1) (Synaptic nuclear envel	Q8NF91	1010433	4.94E-03	0552
839	VMDL1_HUMAN (Q8NFU1) Bestrophin-2 (Viteliform macular dystrophy 2-like protein 1)	Q8NFU1	57101.98	3.93E-03	0535
840	Q8NFY8 (Q8NFY8) Neuroblastoma-amplified protein	Q8NFY8	268295.4	3.08E-03	0560
841	NLGN2_HUMAN (Q8NFZ4) Neuroligin-2 precursor	Q8NFZ4	90763.22	6.71E-04	0574
842	OR6M1_HUMAN (Q8NGM8) Olfactory receptor 6M1 (Olfactory receptor OR11-271)	Q8NGM8	35304.85	5.61E-03	0541
843	GP150_HUMAN (Q8NGU9) Probable G-protein coupled receptor 150	Q8NGU9	46323.67	5.89E-04	0578
844	WDR36_HUMAN (Q8NI36) WD-repeat protein 36 (T-cell activation WD repeat protein) (TA-WDRP)	Q8NI36	105255.2	4.25E-03	0552
845	Q8TAL6 (Q8TAL6) Hypothetical protein LOC387758 (Hypothetical protein HEMBA1007053)	Q8TAL6	24257.93	5.39E-03	0541
846	TIP_HUMAN (Q8TB96) T-cell immunomodulatory protein precursor (TIP protein)	Q8TB96	68064.6	5.32E-05	0552
847	Q8TBY0 (Q8TBY0) Hypothetical protein MGC27016	Q8TBY0	59984.24	7.31E-03	0578
848	Q8TBY6 (Q8TBY6) MGC26597 protein	Q8TBY6	56738.82	6.82E-03	0541
849	Q8TCM1 (Q8TCM1) Hypothetical protein DKFZp547K059	Q8TCM1	85774.15	9.30E-03	0552
850	Q8TD57 (Q8TD57) Axonemal heavy chain dynein type 3	Q8TD57	470467.1	8.03E-03	0556
851	Q8TDP0 (Q8TDP0) Apical protein 2	Q8TDP0	90246	8.44E-03	0574
852	LMX1A_HUMAN (Q8TE12) LIM homeobox transcription factor 1 alpha (LIM/homeobox protein LMX1A) (LIM-ho	Q8TE12	42719.79	1.26E-03	0549
853	ATS16_HUMAN (Q8TE57) ADAMTS-16 precursor (EC 3.4.24-) (A disintegrin and metalloproteinase with th	Q8TE57	136088.1	7.41E-03	0549
854	ATS16_HUMAN (Q8TE58) ADAMTS-15 precursor (EC 3.4.24-) (A disintegrin and metalloproteinase with th	Q8TE58	103220.4	3.54E-03	0574

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【表 4 - 4 0】

855	Q8TF44 (Q8TF44) KIAA1957 protein (Fragment)	Q8TF44	51192.71	9.00E-03	0574
856	Q8WTR8 (Q8WTR8) Hypothetical protein LOC126147	Q8WTR8	53139.27	7.76E-04	0535
857	NU133_HUMAN (Q8WUM0) Nuclear pore complex protein Nup133 (Nucleoporin Nup133) (133 kDa nucleoporin)	Q8WUM0	128831.9	6.86E-03	0549
858	HNRL_HUMAN (Q8WVV9) Heterogeneous nuclear ribonucleoprotein L-like (Stromal RNA-regulating factor)	Q8WVV9	60044.95	1.76E-03	0556
859	PCNP_HUMAN (Q8WW12) PEST-containing nuclear protein (PCNP)	Q8WW12	18913.4	6.54E-04	0541
860	FOG2_HUMAN (Q8WW38) Zinc finger protein ZFP122 (Zinc finger protein multitype 2) (Friend of GATA protein)	Q8WW38	128061.4	1.37E-04	0571
861	Q8WWF6 (Q8WWF6) Hypothetical protein HCG3 (Hypothetical protein tmp. locus 21)	Q8WWF6	16548.14	4.34E-03	0552
862	ATX2L_HUMAN (Q8WWM7) Ataxin-2-like protein (Ataxin-2 domain protein) (Ataxin-2-related protein)	Q8WWM7	113303.8	4.89E-03	0560
863	ASB12_HUMAN (Q8WVK4) Ankyrin repeat and SOCS box protein 12 (ASB-12)	Q8WVK4	33921.47	2.64E-04	0541
864	Q8WXQ5 (Q8WXQ5) Serine/threonine protein kinase Kkialre-like 1	Q8WXQ5	108892.4	9.25E-03	0578
865	Q8WXX0 (Q8WXX0) Ciliary dynein heavy chain 7	Q8WXX0	460845.6	6.97E-03	0541
866	Q8WY12 (Q8WY12) B lymphocyte activation-related protein (Transcription elongation factor A (SII)-II)	Q8WY12	40553.01	8.90E-03	0549
867	Q8WZ93 (Q8WZ93) NAG11	Q8WZ93	9833.928	4.21E-03	0560
868	GBF1_HUMAN (Q92538) Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 (BFA)	Q92538	206313.1	5.67E-03	0578
869	TIC2_HUMAN (Q92563) Testican-2 precursor (SPARC/osteonectin, CWCIV, and Kazal-like domains proteogly	Q92563	46748.9	1.09E-04	0541
870	RT31_HUMAN (Q92865) 28S ribosomal protein S31, mitochondrial precursor (S31mt) (MRP-S31) (Imogen 38	Q92865	45272.55	5.95E-03	0541
871	PVR2_HUMAN (Q92862) Poliovirus receptor related protein 2 precursor (Herpes virus entry mediator B)	Q92862	57706.01	8.45E-03	0571
872	CBP_HUMAN (Q92793) CREB-binding protein (EC 2.3.1.48)	Q92793	265166	2.79E-03	0556
873	PTPR2_HUMAN (Q92932) Receptor-type tyrosine-protein phosphatase N2 precursor (EC 3.1.3.48) (R-PTP-N	Q92932	111212.2	9.78E-04	0556
874	Q92954 (Q92954) Megakaryocyte stimulating factor	Q92954	150997.2	3.09E-03	0556
875	USP9X_HUMAN (Q93008) Probable ubiquitin carboxyl-terminal hydrolase FAF-X (EC 3.1.2.15) (Ubiquitin	Q93008	289354.6	1.75E-03	0552
876	BHMT_HUMAN (Q93088) Betaine-homocysteine S-methyltransferase (EC 2.1.1.5)	Q93088	44941.84	5.57E-03	0552

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【表 4 - 4 1】

877	Q969F2 (Q969F2) Dy4-binding protein NKD2 (Naked cuticle-2)	Q969F2	50024.88	5.30E-03	0578
878	KIFC2_HUMAN (Q96AC6) Kinesin-like protein KIFC2	Q96AC6	90091.98	8.86E-03	0541
879	TTC17_HUMAN (Q96AE7) Tetraatricopeptide repeat protein 17 (TPR repeat protein 17)	Q96AE7	129476.8	3.84E-03	0574
880	Q96BE9 (Q96BE9) CDK4 protein	Q96BE9	11993.24	5.74E-03	0552
881	SYTL4_HUMAN (Q96C24) Synaptotagmin-like protein 4 (Exophilin-2) (Granophilin)	Q96C24	75961.86	8.03E-03	0552
882	Q96CM8 (Q96CM8) Hypothetical protein FLJ20920	Q96CM8	68122.89	3.83E-03	0541
883	Q96DB1 (Q96DB1) TALDO1 protein	Q96DB1	35306.46	9.86E-03	0578
884	Q96ES7 (Q96ES7) Hypothetical protein LOC112869	Q96ES7	33217.24	9.31E-03	0552
885	Q96F16 (Q96F16) Enhancer of zeste 2, isoform a	Q96F16	85962.88	1.62E-03	0578
886	CPNE2_HUMAN (Q96FN4) Copine-2 (Copine II)	Q96FN4	61150.76	3.05E-03	0541
887	Q96G34 (Q96G34) DC12 protein	Q96G34	40535.21	3.58E-03	0552
888	Q96JG3 (Q96JG3) KIAA1864 protein (Fragment)	Q96JG3	75937.59	8.79E-04	0556
889	Q96J18 (Q96J18) KIAA1839 protein (Fragment)	Q96J18	61235.62	2.21E-04	0571
890	BT2A3_HUMAN (Q96KV6) Butyrophilin subfamily 2 member A3 precursor	Q96KV6	63346.8	8.73E-04	0560
891	Q96LM3 (Q96LM3) Hypothetical protein FLJ25373	Q96LM3	46043.74	8.00E-04	0552
892	Q96LM6 (Q96LM6) Hypothetical protein FLJ25369	Q96LM6	20601.17	2.00E-04	0549
893	Q96MA6 (Q96MA6) Hypothetical protein FLJ32704 (Chromosome 9 open reading frame 98) (OTTHMP00000022)	Q96MA6	54890.73	1.41E-03	0549
894	YH01_HUMAN (Q96MG8) Hypothetical protein FLJ32390/DKFP686L23117	Q96MG8	40648.61	3.78E-03	0567
895	PGRP2_HUMAN (Q96PD5) N-acetylmuramoyl-L-alanine amidase precursor (EC 3.5.1.28) (Peptidoglycan reco)	Q96PD5	62178	1.31E-05	0556
896	Q96Q34 (Q96Q34) ALS2CR13 protein (Fragment)	Q96Q34	21396.12	9.02E-03	0571
897	Q96RY5 (Q96RY5) Hypothetical protein KIAA1426	Q96RY5	169729.5	1.45E-04	0541
898	Q96S02 (Q96S02) Hypothetical protein gs80	Q96S02	25483.99	4.56E-03	0552

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【表 4 - 4 2】

899	Q96S07 (Q96S07) Hypothetical protein gs64	Q96S07	40973.07	2.06E-03	0567
900	TESK2_HUMAN (Q96S53) Dual specificity testis-specific protein kinase 2 (EC 2.7.1.37) (EC 2.7.1.112)	Q96S53	63569.28	3.27E-03	0574
901	CCNL2_HUMAN (Q96S94) Cyclin-L2 (Paneth cell enhanced expression protein)	Q96S94	58111.48	2.23E-03	0571
902	FIZ1_HUMAN (Q96SL8) Fli3-interacting zinc finger protein 1	Q96SL8	51960.49	2.18E-03	0571
903	SCN2A_HUMAN (Q99250) Sodium channel protein type II alpha subunit (Voltage-gated sodium channel alp	Q99250	227825.1	1.94E-03	0549
904	Q99463 (Q99463) Y6 encoding protein	Q99463	33158.45	7.55E-03	0552
905	SDF2_HUMAN (Q99470) Stromal cell-derived factor 2 precursor (SDF-2)	Q99470	23154.53	2.53E-03	0549
906	NEUS_HUMAN (Q99574) Neuroserpin precursor (Serpin I1) (Protease inhibitor 12)	Q99574	46397.2	5.41E-04	0567
907	ABCA3_HUMAN (Q99758) ATP-binding cassette sub-family A member 3 (ATP-binding cassette transporter 3	Q99758	191263.9	8.35E-03	0552
908	Q99777 (Q99777) Hypothetical protein (Fragment)	Q99777	14098.42	5.87E-03	0552
909	TIG2_HUMAN (Q99969) Retinoic acid receptor responder protein 2 precursor (Tazarotene-induced gene 2	Q99969	18605.75	1.02E-06	0567
910	Q9BQ75 (Q9BQ75) Hypothetical protein MGC4308	Q9BQ75	31791.96	8.74E-03	0541
911	MBB1A_HUMAN (Q9BQG0) Myb-binding protein 1A	Q9BQG0	148761.2	4.19E-04	0541
912	Q9BR99 (Q9BR99) Hypothetical protein LOC115648	Q9BR99	11621.78	3.35E-03	0549
913	Q9BX32 (Q9BX32) OTTHUMP00000030312 (Fragment)	Q9BX32	11352.71	4.49E-03	0567
914	GPR91_HUMAN (Q9BXA5) Probable G-protein coupled receptor 91 (P2Y purinoceptor 1-like)	Q9BXA5	38258.2	6.04E-03	0574
915	TSSK1_HUMAN (Q9BXA7) Testis-specific serine/threonine-protein kinase 1 (EC 2.7.1.37) (TSSK-1) (Test	Q9BXA7	41591.27	4.61E-03	0541
916	RFIP5_HUMAN (Q9BXF6) Rab11 family-interacting protein 5 (Rab11-FIP5) (Rab11-interacting protein Rip	Q9BXF6	70372.12	6.40E-03	0574
917	TX13A_HUMAN (Q9BXU3) Testis-expressed sequence 13A protein	Q9BXU3	45554.41	6.65E-03	0556
918	CT043_HUMAN (Q9BY42) Protein C20orf43	Q9BY42	33833.23	7.56E-03	0571
919	Q9BZT1 (Q9BZT1) PNAS-101	Q9BZT1	16324.19	2.85E-03	0535
920	Q9C0D7 (Q9C0D7) KIAA1726 protein (Fragment)	Q9C0D7	70689.04	7.02E-03	0535

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【表 4 - 4 3】

921	AICDA_HUMAN (Q9GZX7) Activation-induced cytidine deaminase (EC 3.5.4.5) (Cytidine aminohydrolase)	Q9GZX7	23938.14	9.54E-03	0535
922	ADA19_HUMAN (Q9H013) ADAM 19 precursor (EC 3.4.24.-) (A disintegrin and metalloproteinase domain 19)	Q9H013	104970.3	4.24E-03	0549
923	Q9H0M5 (Q9H0M5) Hypothetical protein DKFZp434l1610	Q9H0M5	86175.93	6.24E-03	0571
924	CCDC8_HUMAN (Q9H0W5) Coiled-coil domain containing protein 8	Q9H0W5	59367.06	7.08E-03	0578
925	KCNH6_HUMAN (Q9H252) Potassium voltage-gated channel subfamily H member 6 (Voltage-gated potassium)	Q9H252	109855.1	5.53E-03	0535
926	ATS10_HUMAN (Q9H324) ADAMTS-10 precursor (EC 3.4.24.-) (A disintegrin and metalloproteinase with th	Q9H324	117986.6	7.01E-03	0574
927	Q9H3M9 (Q9H3M9) Homo sapiens (Fragment)	Q9H3M9	39581.41	6.22E-03	0567
928	HIPK3_HUMAN (Q9H422) Homeodomain-interacting protein kinase 3 (EC 2.7.1.37) (Homolog of protein kin	Q9H422	133658.7	3.99E-03	0549
929	Q9H6S3 (Q9H6S3) Hypothetical protein FLJ21935	Q9H6S3	83739.81	6.12E-04	0571
930	Q9H678 (Q9H678) Hypothetical protein FLJ13893	Q9H678	42146.18	1.26E-03	0541
931	PANK3_HUMAN (Q9H899) Pantothenate kinase 3 (EC 2.7.1.33) (Pantothentic acid kinase 3) (hPank3)	Q9H899	41067.9	3.46E-03	0535
932	Q9H9E4 (Q9H9E4) Hypothetical protein FLJ12811	Q9H9E4	59940.2	1.30E-03	0574
933	Q9HA36 (Q9HA36) Hypothetical protein FLJ12303	Q9HA36	63469.17	2.77E-03	0567
934	POPD3_HUMAN (Q9HBV1) Popeye domain containing protein 3 (Popeye protein 3)	Q9HBV1	33848.33	2.18E-04	0571
935	Q9HBY0 (Q9HBY0) Putative superoxide-generating NADPH oxidase Mox2 (NADPH oxidase 3)	Q9HBY0	64893.13	3.83E-03	0560
936	ZSWIM6_HUMAN (Q9HCJ5) Zinc finger SWIM domain containing protein 6 (Fragment)	Q9HCJ5	84041.97	2.85E-03	0535
937	ZBT26_HUMAN (Q9HCK0) Zinc finger and BTB domain containing protein 26 (Zinc finger protein 481) (Zi	Q9HCK0	49920.5	5.26E-03	0552
938	RFRP_HUMAN (Q9HCQ7) FMRF-amide-related peptides precursor (Contains: Neuropeptide NPSF (Neuropeptide	Q9HCQ7	22312.28	1.20E-04	0567
939	XAB2_HUMAN (Q9HCS7) XPA-binding protein 2 (HCNP protein)	Q9HCS7	99946.48	4.38E-03	0556
940	Q9HD28 (Q9HD28) Retinitis pigmentosa GTPase regulator (Fragment)	Q9HD28	62722.3	5.89E-03	0541
941	DNAP1_HUMAN (Q9NPF5) DNA methyltransferase 1-associated protein 1 (DNMT1-associated protein 1) (DNM	Q9NPF5	52959.89	4.26E-03	0541
942	RTN4_HUMAN (Q9NQC3) Reticulon-4 (Neurite outgrowth inhibitor) (Nogo protein) (Foscan) (Neuroendocr	Q9NQC3	129851.2	6.83E-03	0578

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【表 4 - 4 4】

943	DDX4_HUMAN (Q9NQI0) DEAD-box protein 4 (VASA homolog)	Q9NQI0	79257.87	6.00E-03	0541
944	Q9NQW6 (Q9NQW6) Actin binding protein anillin	Q9NQW6	124200.7	7.48E-04	0541
945	ZN331_HUMAN (Q9NQX6) Zinc finger protein 331 (Zinc finger protein 463) (C2H2-like zinc finger prote	Q9NQX6	53704.15	6.51E-03	0549
946	TLR9_HUMAN (Q9NR96) Toll-like receptor 9 precursor (CD289 antigen)	Q9NR96	115785.8	8.93E-03	0552
947	SPTN5_HUMAN (Q9NRC6) Spectrin beta chain, brain 4 (Spectrin, non-erythroid beta chain 4) (Beta-V sp	Q9NRC6	416577.2	6.09E-03	0556
948	STRN4_HUMAN (Q9NRL3) Striatin-4 (Zinedin)	Q9NRL3	80532.22	8.80E-03	0578
949	Q9NRX1 (Q9NRX1) Putative 28 kDa protein (RNA-binding protein LOC56902) (Hypothetical protein LOC5	Q9NRX1	27806.86	2.17E-03	0549
950	Q9NS08 (Q9NS08) HSPC045 protein	Q9NS08	23897.4	6.08E-03	0571
951	Q9NSG2 (Q9NSG2) Hypothetical protein C1orf112 (Novel protein)	Q9NSG2	96491.85	3.39E-03	0574
952	Q9NSI1 (Q9NSI1) PRED57 protein	Q9NSI1	12605.25	1.96E-03	0560
953	MDN1_HUMAN (Q9NU22) Midasin (MIDAS-containing protein)	Q9NU22	632425.4	5.39E-03	0535
954	Q9NVD6 (Q9NVD6) Hypothetical protein FLJ10795	Q9NVD6	98613.02	6.33E-03	0549
955	Q9NXB7 (Q9NXB7) Hypothetical protein FLJ20336	Q9NXB7	93451.76	8.21E-03	0535
956	STAB1_HUMAN (Q9NY15) Stablin-1 precursor (FEEL-1 protein) (MS-1 antigen)	Q9NY15	275292.3	8.37E-03	0552
957	ZN226_HUMAN (Q9NYT6) Zinc finger protein 226	Q9NYT6	91861.71	9.11E-03	0571
958	NLGN3_HUMAN (Q9NZ94) Neuroligin-3 precursor (Glotactin homolog)	Q9NZ94	93836.29	7.55E-03	0556
959	COMD8_HUMAN (Q9P000) COMM domain containing protein 9	Q9P000	21904.53	4.92E-03	0574
960	Q9P0P3 (Q9P0P3) HSPC235	Q9P0P3	40126.53	6.80E-03	0560
961	K1404_HUMAN (Q9P2E3) Protein KIAA1404	Q9P2E3	220083.3	6.94E-03	0541
962	KLHL8_HUMAN (Q9P2G9) Kelch-like protein 8	Q9P2G9	68816.98	8.80E-03	0549
963	KLHL9_HUMAN (Q9P2J3) Kelch-like protein 9	Q9P2J3	69383.3	8.75E-03	0574
964	AT5g_HUMAN (Q9P2N4) ADAMTS-9 precursor (EC 3.4.24.-) (A disintegrin and metalloproteinase with thro	Q9P2N4	216415.5	1.89E-03	0549

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【表 4 - 4 5】

965	SUCB1_HUMAN (Q9P2R7) Succinyl-CoA ligase [ADP-forming] beta-chain, mitochondrial precursor (EC 6.2)	Q9P2R7	50299.33	8.61E-03	0535
966	Q9P2T3 (Q9P2T3) TU12B1-TY	Q9P2T3	55666.21	2.42E-03	0541
967	SPAST_HUMAN (Q9UBP0) Spastin	Q9UBP0	67155.37	6.36E-03	0535
968	CYL2_HUMAN (Q9UDT6) Cytoplasmic linker protein 2 (Cytoplasmic linker protein 115) (CLIP-115) (Wili)	Q9UDT6	115766.9	3.27E-04	0557
969	FBX40_HUMAN (Q9UH90) F-box only protein 40 (Muscle disease-related protein)	Q9UH90	78612.4	1.73E-03	0552
970	Q9UI92 (Q9UI92) Putative WHSC1 protein	Q9UI92	69354.6	2.65E-04	0541
971	ZN230_HUMAN (Q9UIE0) Zinc finger protein 230 (Zinc finger protein FDZF2)	Q9UIE0	54357.46	2.69E-03	0535
972	Q9UKL0 (Q9UKL0) CoREST protein	Q9UKL0	52995.61	9.45E-03	0574
973	MYH13_HUMAN (Q9UKX3) Myosin-13 (Myosin heavy chain, skeletal muscle, extracellular) (MyHC-eo)	Q9UKX3	223539.2	9.78E-03	0567
974	Q9UL88 (Q9UL88) Myosin-reactive immunoglobulin heavy chain variable region (Fragment)	Q9UL88	14133.25	1.61E-09	0558
975	Q8ULE0 (Q8ULE0) KIAA1280 protein (Fragment)	Q8ULE0	115103.3	2.01E-04	0560
976	Q9ULU2 (Q9ULU2) KIAA1127 protein (Fragment)	Q9ULU2	238454.6	4.48E-03	0549
977	ZN179_HUMAN (Q9ULX5) Zinc finger protein 179 (Brain finger protein) (RING finger protein 112)	Q9ULX5	68310.9	5.77E-03	0567
978	GBRT_HUMAN (Q9UN88) Gamma-aminobutyric-acid receptor theta subunit precursor (GABA(A) receptor)	Q9UN88	71975.9	3.03E-03	0552
979	TRI35_HUMAN (Q9UPQ4) Tripartite motif protein 35 (Hemopoietic lineage switch protein 5)	Q9UPQ4	56503.89	2.53E-03	0571
980	CD2L2_HUMAN (Q9UQ88) PITSLRE serine/threonine-protein kinase CDC2L2 (EC 2.7.1.37) (Galactosyltransf	Q9UQ88	80948.52	3.00E-03	0567
981	MTMR7_HUMAN (Q9Y216) Myotubularin-related protein 7 (EC 3.1.3.-) (Fragment)	Q9Y216	45407.51	2.59E-03	0541
982	FYV1_HUMAN (Q9Y217) FYVE finger-containing phosphoinositide kinase (EC 2.7.1.68) (1-phosphatidyln	Q9Y217	236956.6	8.19E-03	0541
983	Q9Y2K3 (Q9Y2K3) KIAA1000 protein (Fragment)	Q9Y2K3	225676.5	3.13E-03	0571
984	SYYM_HUMAN (Q9Y2Z4) Probable tyrosyl-tRNA synthetase, mitochondrial precursor (EC 6.1.1.1) (Tyrosin	Q9Y2Z4	53165.8	5.75E-03	0541
985	ZN337_HUMAN (Q9Y3M9) Zinc finger protein 337	Q9Y3M9	86819.26	9.12E-03	0552
986	TRRAP_HUMAN (Q9Y4A5) Transformation/transcription domain-associated protein (350/400 kDa PCAF-assoc	Q9Y4A5	437303	1.86E-03	0560

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【表 4 - 4 6】

987	UBP15_HUMAN (Q9Y4E8) Ubiquitin carboxyl-terminal hydrolase 15 (EC 3.1.2.15) Ubiquitin thiolesterase	Q9Y4E8	112347.6	3.17E-03	0549
988	M4K5_HUMAN (Q9Y4K4) Mitogen-activated protein kinase kinase kinase 5 (EC 2.7.1.37) (MAPK/ERK)	Q9Y4K4	94979.4	8.66E-03	0567
989	Q9Y528 (Q9Y528) Hypothetical protein (Fragment)	Q9Y528	77865.97	9.30E-03	0560
990	PCDBE_HUMAN (Q9Y5E9) Protocadherin beta 14 precursor (PCDH-beta14)	Q9Y5E9	87494.04	1.47E-03	0571
991	PCDGE_HUMAN (Q9Y5G2) Protocadherin gamma B2 precursor (PCDH-gamma-B2)	Q9Y5G2	100813.4	3.07E-03	0567
992	PCDG6_HUMAN (Q9Y5G7) Protocadherin gamma A6 precursor (PCDH-gamma-A6)	Q9Y5G7	100809.6	4.10E-03	0578
993	ST14_HUMAN (Q9Y5Y6) Suppressor of tumorigenicity 14 (EC 3.4.21.-) (Matrilase) (Membrane-type serin	Q9Y5Y6	94708.81	1.92E-03	0571
994	S12A7_HUMAN (Q9Y666) Solute carrier family 12 member 7 (Electroneutral potassium-chloride cotranspo	Q9Y666	119072.7	5.71E-03	0567
995	MD1L1_HUMAN (Q9Y6D9) Mitotic spindle assembly checkpoint protein MAD1 (Mitotic arrest deficient-lik	Q9Y6D9	83015.71	4.46E-03	0571
996	CDY1_HUMAN (Q9Y6F8) Testis-specific chromodomain protein Y 1	Q9Y6F8	60435.05	6.22E-03	0549

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【表 5 - 1】

患者		参考	P (確率)	MW	アクセツ ション	ペプチド (的中)	counts in R[<i>tot</i> ids in 25 runs
SEQUEST フィルター: <i>p</i> prob<0.01; Xcorr 対 荷電状態: [M+H] ¹⁺ について 1.5, [M+2H] ²⁺ について 2.0, [M+3H] ³⁺ について 2.5; DCn>0.1							
1	BACED	Serum albumin precursor	1.33E-14	69321.63	P02768	60	5
2	AEBDC	Serotransferrin precursor	1.41E-13	76998.66	P02787	50	5
3	ACDEB	Hypothetical protein	2.78E-07	20655.36	Q56917	3	5
4	ECBAD	Transferrin precursor	6.00E-14	15877.05	P02766	2	5
5	EBDAC	Interferon receptor, ethanol-binding protein precursor	1.00E-30	135277.8	P10745	1	5
6	CADEB	PH domain containing protein	8.00E-05	53317.19	Q8TD55	1	5
7	DAECB	Alpha-1-acid glycoprotein 1 precursor	1.02E-09	23496.77	P02763	2	5
8	CBDA	Keratin, type II cytoskeletal 1	2.94E-11	65846.88	P04264	1	4
9	ABDEC	Glusterin precursor	3.33E-12	52461.05	P10909	9	5
10	AEBDC	Hemopexin precursor	8.88E-15	51643.32	P02790	4	5
11	CDEAB	Transcription factor NF-E4	3.06E-04	19006.73	Q86UQ8	2	5
12	AEBD	Apolipoprotein A-I precursor	3.51E-10	30758.94	P02647	8	4
13	AECDB	Alpha-1-antitrypsin precursor	8.88E-15	46707.09	P01009	4	5
14	AECBD	Nuclear receptor-interacting factor	2.52E-03	52754.03	Q8WY14	1	5
15	ABCDE	Ig gamma-1 chain C region	4.94E-13	36083.16	P01857	8	5
16	DBC	Alpha 2 globin variant	3.80E-12	15270.94	Q53F97	4	3
17	CEAB	Apolipoprotein A-II precursor	5.95E-12	11167.9	P02652	1	4
18	ADCE	Hypothetical protein FLJ40259	1.29E-04	66086.88	Q8N7W7	1	4
19	BEA	Pigment epithelium-derived factor precursor	1.93E-10	46313.36	P36955	8	3
20	DBA	Keratin, type I cytoskeletal 10	1.51E-09	59482.76	P13645	1	3
21	BD	Hemoglobin delta subunit	1.78E-14	15914.25	P02042	13	2
22	BD	Beta globin gene from a thalassemia patient	2.17E-12	18918.59	Q14473	10	2
23	AECB	Hypothetical protein FLJ42076	3.47E-04	21036.72	Q6ZVU4	2	4
24	DCEAB	PML-RARA regulated adaptor molecule 1	1.38E-03	73950.18	Q8N6W7	1	5
25	DAEC	Keratin, type II cytoskeletal 1b	2.57E-06	61650.4	Q7Z794	2	4
26	DECA	Double-stranded RNA-binding protein	1.39E-04	63227.92	O95793	1	4
27	ECDA	HNRBF-2	5.30E-05	31787.43	Q9H212	1	4
28	BCD	Vacuolar protein sorting 13A	9.97E-04	360046.1	Q96RL7	1	3
29	AEDCB	Zinc finger protein 185	4.35E-03	49156.87	O15231	1	5
30	ABED	Complement C4-A precursor	4.22E-14	192649.5	P0C0L4	1	4
31	CDAE	ADAMTS-12 precursor	2.30E-04	177429.5	P58397	1	4

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表 5 25 回の作動において同定されたタンパク質 (網膜剥離症と診断された 5 人の患者)

【表 5 - 2】

32	BCDA	Keratin 10	5.82E-13	57212.99	Q14664	1	4	7
33	AB	Dickkopf-related protein 3 precursor	2.33E-08	38266.07	Q9UBP4	3	2	7
34	EDCB	Colony stimulating factor 2 receptor	7.80E-05	46871.63	Q4V312	1	4	6
35	EDCA	KIAA1200 protein	2.86E-03	155607.6	Q9ULM0	1	4	6
36	ACE	Tuberin (Tuberous sclerosis 2 protein)	7.82E-05	200621.4	P49815	1	3	6
37	CAE	Kalikrein-14 precursor	1.67E-04	27434.89	Q9P0G3	1	3	6
38	CBDE	LOC131076 protein	2.50E-03	16609.49	Q4VC31	1	4	5
39	DBCA	Hypothetical protein DKFZp686J11235	9.99E-08	54424.95	Q6MZW0	1	4	5
40	EBC	Keratin, type II	5.27E-07	54935.82	Q14533	1	3	5
41	ECA	Tumor necrosis factor	1.04E-03	20099.21	Q5VWH1	1	3	5
42	AE	Vitamin D-binding protein	7.09E-10	52902.04	Q6GTG1	4	2	5
43	BA	Keratin, type II cytoskeletal	5.57E-07	65825.37	P35908	1	2	5
44	CA	LOC150763 protein	7.57E-05	87507.18	Q6NUJ2	1	2	5
45	EC	Hypothetical protein FLJ44670	5.11E-03	115755	Q6ZTG8	1	2	5
46	EDCB	Hypothetical protein DKFZp4341138	2.57E-04	78784.1	Q659E3	1	4	4
47	CEA	Histone acetyltransferase	6.68E-04	92953.77	Q92831	1	3	4
48	DCB	WD-repeat protein 9	2.64E-03	257060.4	Q9NSI6	1	3	4
49	AB	Hypothetical protein DKFZp686I04196	1.25E-11	46031.66	Q6N093	6	2	4
50	EC	Proto-oncogene tyrosine-protein kinase	4.63E-05	93412.31	P07332	1	2	4
51	AB	Cathepsin D precursor	3.66E-09	44523.66	P07339	1	2	4
52	AE	Cytochrome P450	4.19E-04	55766.2	P10635	1	2	4
53	BD	Peroxisome oxidin 1	1.57E-06	22096.28	Q06830	1	2	4
54	ED	Hypothetical protein FLJ43007	1.02E-04	19332.49	Q6ZV44	1	2	4
55	CE	Hypothetical protein FLJ20202	2.74E-03	44899.86	Q9NXX0	1	2	4
56	BAE	Ceruloplasmin precursor	1.11E-12	122127.6	P00450	3	3	3
57	ABD	Complement C3 precursor	5.42E-11	187045.3	P01024	1	3	3
58	ABE	Intercellular adhesion molecule 3 precursor	4.62E-03	59345.85	P32942	1	3	3
59	ECD	Nuclear pore complex protein Nup214	4.38E-03	213632.8	P35658	1	3	3
60	EAD	Dystroglycan precursor	1.78E-03	97519.91	Q14118	1	3	3
61	ADC	Alpha-internexin	2.07E-03	55357.48	Q16352	1	3	3
62	ECA	Transmembrane channel-like protein 7	2.53E-03	83447.49	Q7Z402	1	3	3
63	BCE	Hypothetical protein FLJ40243	1.50E-03	180566.4	Q7Z745	1	3	3
64	DEA	Cell activation Rho GTPase-activating protein	5.60E-03	80652.9	Q8N103	1	3	3
65	BCA	Hypothetical protein FLJ40479	3.57E-03	45893.4	Q8N7Q3	1	3	3
66	EDC	Protein C9orf126	1.82E-03	70385.07	Q8N9R8	1	3	3
67	ACB	Hypothetical protein FLJ35435	1.05E-04	65308.66	Q8NAF6	1	3	3

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【表 5 - 3】

68	BAD	Protein KIAA1199 precursor	1.11E-03	152900	Q8WUJ3	1	3	3
69	CDE	G patch domain containing protein 3	2.28E-03	59301.11	Q96176	1	3	3
70	BA	Alpha-2-macroglobulin precursor	9.36E-09	163174.3	P01023	2	2	3
71	BA	Ig gamma-3 chain C region	1.07E-08	32309.81	P01860	2	2	3
72	CE	Basement membrane-specific heparan sulfate proteoglycan	4.04E-04	468528.2	P98160	1	2	3
73	CA	Trichohyalin	2.97E-03	247074.4	Q07283	1	2	3
74	BA	IGLC2 protein	2.41E-11	24784.13	Q567P1	1	2	3
75	BE	Receptor interacting protein kinase 5	2.01E-03	99957.35	Q5RKT0	1	2	3
76	BD	Novel protein	2.74E-04	91277.53	Q5VVM6	1	2	3
77	CD	Hypothetical protein	5.22E-03	9188.304	Q6PHR9	1	2	3
78	AC	Hypothetical protein FAM33A	4.24E-03	14179.33	Q8WWK7	1	2	3
79	CA	Hypothetical protein FLJ22346	3.68E-03	81825.66	Q9H6E6	1	2	3
80	EC	Calcium-independent phospholipase A2	2.83E-03	88421.11	Q9NP80	1	2	3
81	DE	Endocrine regulator	4.94E-04	231761.3	Q9Y2W9	1	2	3
82	E	Potassium voltage-gated channel subfamily A	8.04E-04	56505.6	Q09470	1	1	3
83	D	Huntingtin interacting protein 1	7.33E-05	51745.16	Q9BVA6	1	1	3
84	BE	KIAA0068 protein (Fragment)	2.65E-04	147040.6	Q14467	2	2	2
85	AD	Protein G190 precursor (Stromal cell derived GF)	6.67E-03	18783.32	Q969H8	2	2	2
86	CE	Hypothetical protein FLJ21129	2.87E-03	63276.44	Q9H796	2	2	2
87	CE	HS1-associating protein X-1	2.63E-03	31601.06	O00165	1	2	2
88	AD	Tumor necrosis factor receptor superfamily	7.09E-03	50028.81	O00220	1	2	2
89	AB	Zinc finger protein 197	4.82E-03	118770.8	O14709	1	2	2
90	EA	Inositol polyphosphate 5-phosphatase	1.69E-04	138498.9	O15357	1	2	2
91	DE	DNA repair protein RAD51 homolog 3	3.18E-03	42162.89	O43502	1	2	2
92	DA	TBC1 domain family member 4 (Akt substrate)	7.09E-04	146470.8	O60343	1	2	2
93	EC	Zinc finger protein ZIC 2	3.64E-03	54971.09	O95409	1	2	2
94	BA	Supervillin	5.54E-03	247550.6	O95425	1	2	2
95	CA	Ig lambda chain V region	4.35E-03	12372.02	P04211	1	2	2
96	BE	Keratin, type II	4.19E-05	59831.25	P04259	1	2	2
97	AB	Osteopontin precursor	3.06E-07	35401.25	P10451	1	2	2
98	CA	Cation-independent mannose-6-phosphate receptor	5.66E-03	274097.6	P11717	1	2	2
99	DE	Filamin-A	3.66E-03	280583.4	P21333	1	2	2
100	CE	Macrophage scavenger receptor types I and II	7.76E-04	49730.82	P21757	1	2	2
101	EC	Receptor-type tyrosine-protein phosphatase delta	3.04E-03	214623.5	P23468	1	2	2
102	EA	Peroxidase 2	1.17E-03	62574.77	P34913	1	2	2
103	AB	Prostaglandin-H2O isomerase	3.34E-10	21015.35	P41222	1	2	2

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104	CD	Matrin-3	3.80E-03	94564.67	P43243	1	2	2
105	CE	Voltage-dependent anion-selective channel protein 2	4.14E-04	38068.68	P45880	1	2	2
106	ED	G protein-activated inward rectifier potassium channel 1	4.27E-04	56566.8	P48549	1	2	2
107	BA	Dual specificity protein phosphatase 5	2.53E-04	42080.39	Q16690	1	2	2
108	DE	Maguin-like protein variant II	1.71E-03	61848.88	Q5SGD5	1	2	2
109	AB	RhoGTPase regulating protein variant ARHGAP20-1be	7.13E-03	130153.4	Q6RJU1	1	2	2
110	BE	FLJ00268 protein (Fragment)	2.78E-03	72805.3	Q6ZML5	1	2	2
111	BD	Hypothetical protein FLJ44832	4.10E-03	139335.1	Q6ZQT3	1	2	2
112	CE	RUN domain containing 1	2.55E-03	67603.02	Q8XT9	1	2	2
113	BD	Hypothetical protein TMEM55A	4.69E-05	28062.26	Q8N4L2	1	2	2
114	ED	Hypothetical protein DKFZp547B1713	9.06E-03	32732.49	Q8NDD1	1	2	2
115	CE	GCN1-like protein 1 (HsGCN1)	5.09E-03	292424.8	Q92616	1	2	2
116	CA	LAG1 longevity assurance homolog 2	1.46E-04	44847.38	Q96G23	1	2	2
117	CA	Serine/threonine-protein kinase	8.12E-03	134655.6	Q96J92	1	2	2
118	DB	Hypothetical protein gs80	9.47E-04	25483.99	Q96S02	1	2	2
119	CD	Hypothetical protein FLJ13940	2.89E-03	27528.79	Q9H853	1	2	2
120	CD	ADAM 28 precursor	2.62E-04	87151.09	Q9UKQ2	1	2	2
121	EB	KIAA1238 protein (Fragment)	7.85E-03	45141.04	Q9ULI2	1	2	2
122	AC	Mitochondrial 28S ribosomal protein S2	5.60E-05	33228.08	Q9Y399	1	2	2
123	A	IGKC protein	1.11E-15	25919.92	Q502W4	3	1	2
124	B	Adenylate kinase isoenzyme 2	1.02E-03	26329.73	P54819	2	1	2
125	B	AACT_HUMAN (P01011) Alpha-1-antichymotrypsin precu	2.48E-04	47620.63	P01011	1	1	2
126	C	DAX1_HUMAN (P51843) Nuclear receptor DB1 (Nuclear r	1.40E-03	51683.89	P51843	1	1	2
127	C	Q684R2 (Q684R2) Para-hydroxybenzoate-polyprenyltrans	3.25E-03	45578.79	Q684R2	1	1	2
128	B	Q6PHR8 (Q6PHR8) Hypothetical protein (Fragment)	6.89E-03	33452.8	Q6PHR8	1	1	2
129	E	Q8IYE0 (Q8IYE0) Hypothetical protein KIAA1505	3.71E-03	112734.9	Q8IYE0	1	1	2
130	D	ZN473_HUMAN (Q8WTR7) Zinc finger protein 473 (Zinc fi	2.47E-03	100118.1	Q8WTR7	1	1	2
131	B	GPSF3_HUMAN (Q9UKF6) Cleavage and polyadenylation	1.14E-03	77436.22	Q9UKF6	1	1	2
132	B	K2C5_HUMAN (P13647) Keratin, type II cytoskeletal 5 (Cy	7.34E-08	62409.08	P13647	3	1	1
133	E	TLR5_HUMAN (O60602) Toll-like receptor 5 precursor (To	3.64E-03	97663.38	O60602	2	1	1
134	B	CAH1_HUMAN (P00915) Carbonic anhydrase 1 (EC 4.2.1. 8	5.52E-08	28721.34	P00915	2	1	1
135	A	CYTC_HUMAN (P01034) Cystatin C precursor (Neuroend	1.70E-04	15789.08	P01034	2	1	1
136	A	KNG1_HUMAN (P01042) Kininogen-1 precursor (Alpha-2-	2.12E-10	71900.1	P01042	2	1	1
137	B	K1C14_HUMAN (P02533) Keratin, type I cytoskeletal 14 (C	3.33E-06	51456.45	P02533	2	1	1
138	B	APOE_HUMAN (P02649) Apolipoprotein E precursor (Apo	3.07E-03	36131.79	P02649	2	1	1
139	B	K1C9_HUMAN (P35527) Keratin, type I cytoskeletal 9 (Cyt	2.20E-12	62091.76	P35527	2	1	1

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【表 5 - 5】

140	D	O00211 (O00211) HSLK (Ste20-related serine/threonine k 8.39E-03 138909.7 000211	1	1	1
141	D	P3C2A_HUMAN (O00443) Phosphatidylinositol-4-phosphatase 7.07E-03 190616.2 000443	1	1	1
142	B	<u>SNAPO2_HUMAN (O00445) Synaptonemal complex protein 3.71E-03 42873.54 000445</u>	1	1	1
143	A	CHD2_HUMAN (O14647) Chromodomain-helicase-DNA-b 7.04E-03 200437.6 014647	1	1	1
144	C	MLL2_HUMAN (O14686) Myeloid/lymphoid or mixed-lineage 8.21E-04 563835.8 014686	1	1	1
145	E	O15042 (O15042) Hypothetical protein KIAA0332 (U2-asm 7.16E-04 118087.4 015042	1	1	1
146	B	SNPH_HUMAN (O15079) Syntrophin 7.58E-03 57953.73 015079	1	1	1
147	A	WDR46_HUMAN (O15213) WD-repeat protein 46 (WD-rep 3.67E-03 67998.89 015213	1	1	1
148	A	SGCE_HUMAN (O43556) Epsilon-sarcoglycan precursor (2.18E-04 49722.25 043556	1	1	1
149	E	HAPIP_HUMAN (O60229) Huntingtin-associated protein-in 3.37E-03 192107.9 060229	1	1	1
150	E	O60687 (O60687) Sushi-repeat-containing protein, X-link 4.07E-03 52937.79 060687	1	1	1
151	D	ZC11A_HUMAN (O75152) Zinc finger CCH-type domain 4.33E-03 89076.06 075152	1	1	1
152	C	O75198 (O75198) CDC37-like gene 1.49E-03 26530.93 075198	1	1	1
153	A	AVIL_HUMAN (O75366) Advillin (p92) 8.01E-03 92028.35 075366	1	1	1
154	C	MYCB2_HUMAN (O75592) Probable ubiquitin ligase protei 7.36E-03 509842.3 075592	1	1	1
155	A	CMC1_HUMAN (O75746) Calcium-binding mitochondrial c 3.32E-03 74709.01 075746	1	1	1
156	E	MFN2_HUMAN (O95140) Transmembrane GTPase MFN2 4.18E-03 86346.95 095140	1	1	1
157	B	G6PE_HUMAN (O95479) GDH/6PGL endoplasmic bifunct 3.69E-03 88822.63 095479	1	1	1
158	A	O95978 (O95978) VH1 protein precursor (Fragment) 1.17E-07 17292.5 095978	1	1	1
159	D	HPTR_HUMAN (P00739) Haptoglobin-related protein prec 5.05E-03 38982.66 P00739	1	1	1
160	A	CFAB_HUMAN (P00751) Complement factor B precursor 2.24E-04 85478.58 P00751	1	1	1
161	A	ASSY_HUMAN (P00966) Argininosuccinate synthase (EC 4.02E-03 46501.01 P00966	1	1	1
162	B	K2C6A_HUMAN (P02538) Keratin, type II cytoskeletal 6A (4.96E-03 59877.28 P02538	1	1	1
163	B	APOH_HUMAN (P02749) Beta-2-glycoprotein I precursor (3.96E-03 38272.67 P02749	1	1	1
164	A	<u>RETB_HUMAN (P02750) Retinol-binding protein 1 (RBP) 1.36E-03 22995.26 P02753</u>	1	1	1
165	A	FETUA_HUMAN (P02765) Alpha-2-HS-glycoprotein precu 3.37E-04 39299.73 P02765	1	1	1
166	B	VTNC_HUMAN (P04004) Vitronectin precursor (Serum spi 1.09E-03 54271.23 P04004	1	1	1
167	B	HRG_HUMAN (P04196) Histidine-rich glycoprotein precurs 5.94E-04 59540.94 P04196	1	1	1
168	A	CFAL_HUMAN (P05156) Complement factor I precursor (E 2.93E-05 65676.66 P05156	1	1	1
169	D	ITB1_HUMAN (P05556) Integrin beta-1 precursor (Fibron 7.50E-05 88406.98 P05556	1	1	1
170	A	KV2F_HUMAN (P06310) Ig kappa chain V-II region RPM 1.78E-06 14697.37 P06310	1	1	1
171	B	GELS_HUMAN (P06396) Gelsolin precursor (Actin-depoly 5.71E-04 85644.25 P06396	1	1	1
172	B	K1C16_HUMAN (P08779) Keratin, type I cytoskeletal 16 (1.08E-06 51105.21 P08779	1	1	1
173	E	TAU_HUMAN (P10636) Microtubule-associated protein tau 7.47E-04 78698.83 P10636	1	1	1
174	D	PABP1_HUMAN (P11940) Polyadenylate-binding protein 1 9.99E-03 70626.04 P11940	1	1	1
175	B	SCG2_HUMAN (P13521) Secretogranin-2 precursor (Secr 6.93E-03 70825.11 P13521	1	1	1

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【表 5 - 7】

212	E	K1H1_HUMAN (Q15323)	Keratin, type I cuticular Ha1 (Hai	1.36E-03	47202.1	Q15323	1	1
213	A	NCOA1_HUMAN (Q15788)	Nuclear receptor coactivator 1	4.14E-04	156641.7	Q15788	1	1
214	A	Q15813 (Q15813)	Beta-tubulin cofactor E (Tubulin-specific	5.90E-03	59309.08	Q15813	1	1
215	A	SCN9A_HUMAN (Q15858)	Sodium channel protein type I	6.73E-03	226193.9	Q15858	1	1
216	B	Q495C9 (Q495C9)	Hypothetical protein LOC149134	6.59E-03	13623.18	Q495C9	1	1
217	A	Q4G0M1 (Q4G0M1)	FLJ37034 protein (Fragment)	6.80E-03	14453.34	Q4G0M1	1	1
218	D	Q567P4 (Q567P4)	Hypothetical protein (Fragment)	2.58E-03	34603.27	Q567P4	1	1
219	A	LRC10_HUMAN (Q5BKY1)	Leucine-rich repeat-containing	9.03E-04	31621.81	Q5BKY1	1	1
220	B	Q5H9K7 (Q5H9K7)	Novel protein (Fragment)	6.32E-03	38685.59	Q5H9K7	1	1
221	D	Q5H9K8 (Q5H9K8)	Armadillo repeat containing, X-linked	7.72E-03	36484.3	Q5H9K8	1	1
222	C	Q5JRL1 (Q5JRL1)	Novel protein	6.73E-03	30747.36	Q5JRL1	1	1
223	E	Q5T364 (Q5T364)	OTTHUMP0000022702	4.05E-03	101941	Q5T364	1	1
224	C	Q5T3B9 (Q5T3B9)	Novel protein	4.46E-03	45993.33	Q5T3B9	1	1
225	E	Q5T7N3 (Q5T7N3)	Novel protein	9.47E-03	107275.7	Q5T7N3	1	1
226	D	Q5TBP2 (Q5TBP2)	Reinforced protein associated with	4.66E-03	106303.1	Q5TBP2	1	1
227	B	Q5VWL1 (Q5VWL1)	Membrane-associated guanylate kina	7.51E-03	162847.8	Q5VWL1	1	1
228	C	Q5XLJ0 (Q5XLJ0)	AIDA1C transcript variant 4	9.99E-03	48400.84	Q5XLJ0	1	1
229	E	Q6DN23 (Q6DN23)	Platelet phospholipase A2	4.11E-03	16135.78	Q6DN23	1	1
230	C	Q6IAM5 (Q6IAM5)	SLC27A6 protein	3.12E-03	70042.55	Q6IAM5	1	1
231	B	Q6JIC5 (Q6JIC5)	Cementum attachment protein	9.87E-03	14910.42	Q6JIC5	1	1
232	A	Q6MZX7 (Q6MZX7)	Hypothetical protein DKFZp686M242	1.00E-30	52387.13	Q6MZX7	1	1
233	D	Q6P2C5 (Q6P2C5)	PHF2 protein	5.50E-03	35720.63	Q6P2C5	1	1
234	E	Q6P528 (Q6P528)	ASPN protein	8.71E-03	43863.48	Q6P528	1	1
235	E	POTE2_HUMAN (Q6S8J3)	Prostate, ovary, testis express	6.93E-03	80701.5	Q6S8J3	1	1
236	E	Q6UWG9 (Q6UWG9)	HSAL5836	6.47E-03	9682.161	Q6UWG9	1	1
237	E	Q6UXZ8 (Q6UXZ8)	FVS9334	7.07E-04	24230.68	Q6UXZ8	1	1
238	A	Q6ZN08 (Q6ZN08)	Hypothetical protein FLJ16537	4.37E-04	38813.18	Q6ZN08	1	1
239	D	Q6ZR14 (Q6ZR14)	Hypothetical protein FLJ46736	8.79E-03	126662.9	Q6ZR14	1	1
240	E	Q6ZSK5 (Q6ZSK5)	Hypothetical protein FLJ45433	6.04E-03	15222.69	Q6ZSK5	1	1
241	B	Q6ZSY5 (Q6ZSY5)	Hypothetical protein FLJ45123	7.90E-03	42154.05	Q6ZSY5	1	1
242	A	Q6ZVQ3 (Q6ZVQ3)	Hypothetical protein FLJ42220	1.14E-03	17595.21	Q6ZVQ3	1	1
243	D	Q6ZW49 (Q6ZW49)	Hypothetical protein FLJ41606	3.89E-03	117615.6	Q6ZW49	1	1
244	E	Q702P2 (Q702P2)	VPS13C-2B protein	9.67E-03	407940.5	Q702P2	1	1
245	C	Q70AK8 (Q70AK8)	Ankyrin-repeat-ARM domain protein (F	8.67E-04	40496.33	Q70AK8	1	1
246	A	Q70CQ2 (Q70CQ2)	Ubiquitin-specific proteinase 34	9.41E-03	386873.7	Q70CQ2	1	1
247	C	Q76E79 (Q76E79)	Mitochondrial methionyl-tRNA synthet	2.95E-03	66584.84	Q76E79	1	1

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【表 5 - 8】

248	C	Q7KZ97 (Q7KZ97) Antithrombin III variant	2.00E-03	52657.96	Q7KZ97	1	1	1
249	C	Q7L7Q2 (Q7L7Q2) BLOM7 beta (Novel protein)	1.49E-04	59101.39	Q7L7Q2	1	1	1
250	B	Q7RTV7 (Q7RTV7) Adenylyl cyclase type V (Fragment)	2.76E-04	39312.25	Q7RTV7	1	1	1
251	A	TRPM8_HUMAN (Q7Z2W7) Transient receptor potential c	6.02E-03	127573.3	Q7Z2W7	1	1	1
252	D	Q7Z3P5 (Q7Z3P5) Hypothetical protein DKFZp686P13218	5.90E-04	30940.46	Q7Z3P5	1	1	1
253	A	NPHP3_HUMAN (Q7Z494) Nephrocystin-3	5.74E-03	150768.9	Q7Z494	1	1	1
254	E	Q86VG6 (Q86VG6) Hypothetical protein	3.43E-03	11523.95	Q86VG6	1	1	1
255	C	TXND2_HUMAN (Q86VQ3) Thioredoxin domain-containing	7.89E-04	60424.09	Q86VQ3	1	1	1
256	D	NAL14_HUMAN (Q86W24) NACHT-, LRR- and PYD-cont	1.88E-03	124651.5	Q86W24	1	1	1
257	E	Q86WI3 (Q86WI3) NOD27	5.53E-03	204535	Q86WI3	1	1	1
258	E	Q86WW8 (Q86WW8) Hypothetical protein MGC52110 (H)	4.59E-03	8370.071	Q86WW8	1	1	1
259	D	Q86Y92 (Q86Y92) Similar to KIA0922 protein (Fragment)	2.24E-03	154618.6	Q86Y92	1	1	1
260	D	Q8IV73 (Q8IV73) Guanine nucleotide-releasing factor 2, is	3.40E-03	122658.6	Q8IV73	1	1	1
261	B	Q8IVL1 (Q8IVL1) Steerin2 protein	2.98E-03	267950.3	Q8IVL1	1	1	1
262	B	Q8IVM4 (Q8IVM4) Hypothetical protein	8.10E-03	6014.06	Q8IVM4	1	1	1
263	A	FA20C_HUMAN (Q8IXL6) Protein FAM20C precursor	5.31E-03	64405.57	Q8IXL6	1	1	1
264	E	Q8IY66 (Q8IY66) DNA ligase IV (Ligase IV, DNA, ATP-def	7.76E-03	103904	Q8IY66	1	1	1
265	D	GP115_HUMAN (Q8IZF3) Probable G-protein coupled rec	5.14E-04	83775.66	Q8IZF3	1	1	1
266	B	Q8IZQ1 (Q8IZQ1) ALFY	6.15E-03	394992	Q8IZQ1	1	1	1
267	D	AH1_HUMAN (Q8N157) Joubertin (Abelson helper integral	2.76E-03	137029	Q8N157	1	1	1
268	C	Q8N1K5 (Q8N1K5) Hypothetical protein FLJ40584	5.82E-03	73625.31	Q8N1K5	1	1	1
269	D	Q8N3I3 (Q8N3I3) Hypothetical protein DKFZp761P18121	3.18E-03	81550.7	Q8N3I3	1	1	1
270	A	Q8N543 (Q8N543) Hypothetical protein FLJ10826	1.90E-03	63206.21	Q8N543	1	1	1
271	E	Q8N780 (Q8N780) Hypothetical protein FLJ25943	8.78E-04	33347.2	Q8N780	1	1	1
272	C	Q8NBZ1 (Q8NBZ1) Hypothetical protein FLJ38687	1.10E-03	16623.52	Q8NBZ1	1	1	1
273	A	Q8N998 (Q8N998) Hypothetical protein FLJ38159	7.01E-03	43781.59	Q8N998	1	1	1
274	D	Q8N9S2 (Q8N9S2) Hypothetical protein FLJ36635	5.25E-03	28973.04	Q8N9S2	1	1	1
275	E	Q8NAJ6 (Q8NAJ6) Hypothetical protein FLJ35251	1.24E-03	81745.5	Q8NAJ6	1	1	1
276	A	Q8NCU4 (Q8NCU4) Hypothetical protein	9.83E-03	110499	Q8NCU4	1	1	1
277	E	Q8NDA2 (Q8NDA2) Hypothetical protein DKFZp434P0216	7.52E-04	143799.3	Q8NDA2	1	1	1
278	B	Q8NHQ3 (Q8NHQ3) RBBP8 protein	7.19E-05	102594.6	Q8NHQ3	1	1	1
279	A	Q8TAN9 (Q8TAN9) Oxoglutarate dehydrogenase-like	6.91E-03	114423.7	Q8TAN9	1	1	1
280	E	Q8TBB5 (Q8TBB5) Kelch domain containing 4	1.01E-03	57855.43	Q8TBB5	1	1	1
281	B	Q8TBE7 (Q8TBE7) TMEM22 protein	8.33E-03	46419.88	Q8TBE7	1	1	1
282	A	Q8TBZ0 (Q8TBZ0) Hypothetical protein KM-HN-1	6.67E-04	96664.98	Q8TBZ0	1	1	1
283	B	Q8TC05 (Q8TC05) Mdm4, transformed 3T3 cell double mi	5.19E-03	80695.09	Q8TC05	1	1	1

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【表 5 - 9】

284	B	CHD6_HUMAN (Q8TD26)	Chromodomain-helicase-DNA-t	6.52E-03	305218.9	Q8TD26	1	1	1
285	B	PAR3L_HUMAN (Q8TEW8)	Amnrotrophic lateral sclerosis	9.52E-03	132412.5	Q8TEW8	1	1	1
286	E	Q8WVY7 (Q8WVY7)	Ubiquitin-like domain containing CTC	8.32E-04	36781.22	Q8WVY7	1	1	1
287	D	Q8WVA9 (Q8WVA9)	Cytochrome P450, family 20, subfa	9.30E-06	52460.08	Q8WVA9	1	1	1
288	A	ANKR7_HUMAN (Q92527)	Ankyrin repeat domain protein	8.25E-03	22573.66	Q92527	1	1	1
289	E	Q92735 (Q92735)	FMI protein	4.05E-03	161492.6	Q92735	1	1	1
290	A	PCSK5_HUMAN (Q92824)	Proprotein convertase subtilisin	2.02E-03	101708.3	Q92824	1	1	1
291	C	SNPC3_HUMAN (Q92966)	snRNA-activating protein comf	9.07E-03	46722.65	Q92966	1	1	1
292	A	IRF7_HUMAN (Q92985)	Interferon regulatory factor 7 (IRF	7.33E-04	54244.25	Q92985	1	1	1
293	A	Q969T7 (Q969T7)	Hypothetical protein MGC20781	5.37E-03	33551.02	Q969T7	1	1	1
294	D	Q96AG4 (Q96AG4)	Hypothetical protein PRO1855	9.06E-03	34908.9	Q96AG4	1	1	1
295	A	ISG20_HUMAN (Q96AZ6)	Interferon-stimulated gene 20 k	9.06E-05	20350.62	Q96AZ6	1	1	1
296	E	DGC14_HUMAN (Q96DF8)	DGCR14 protein (DiGeorge sy	5.80E-04	52535.89	Q96DF8	1	1	1
297	C	GMCL1_HUMAN (Q96IK5)	Germ cell-less protein-like 1	7.74E-03	58647.47	Q96IK5	1	1	1
298	A	Q96LU7 (Q96LU7)	Hypothetical protein FLJ25056	1.08E-03	31208.16	Q96LU7	1	1	1
299	A	KAD7_HUMAN (Q96M32)	Putative adenylyate kinase 7 (EC	9.94E-03	82620.65	Q96M32	1	1	1
300	E	IPO8_HUMAN (Q96P70)	Importin-9 (Imp8) (Ran-binding p	7.94E-04	115757.8	Q96P70	1	1	1
301	A	DBT18_HUMAN (Q96PH6)	Beta-defensin 118 precursor (f	5.68E-03	13604.79	Q96PH6	1	1	1
302	D	VPS35_HUMAN (Q96QK1)	Vacuolar protein sorting 35 (Ve	4.26E-03	91649.07	Q96QK1	1	1	1
303	E	MAGI1_HUMAN (Q96QZ7)	Membrane associated guanyla	7.80E-03	164540.2	Q96QZ7	1	1	1
304	D	MCCA_HUMAN (Q96RQ3)	Methylcrotonoyl-CoA carboxyle	3.52E-03	80382.04	Q96RQ3	1	1	1
305	C	MINT_HUMAN (Q96T58)	Msx2-interacting protein (SPEN	1.2.49E-03	402004.3	Q96T58	1	1	1
306	E	NIBL_HUMAN (Q96TA1)	Niban-like protein (Meg-3)	6.21E-03	82631.11	Q96TA1	1	1	1
307	B	K1C12_HUMAN (Q99456)	Keratin, type I cytoskeletal 12 (l	1.59E-03	53478.53	Q99456	1	1	1
308	C	SPS2_HUMAN (Q99611)	Selenide, water dikinase 2 (EC 2	2.61E-03	47227.85	Q99611	1	1	1
309	D	KIF2C_HUMAN (Q99661)	Kinesin-like protein KIF2C (Mito	5.02E-03	81261.21	Q99661	1	1	1
310	E	CLP24_HUMAN (Q9BSN7)	Claudin-like protein 24	2.48E-03	24523.55	Q9BSN7	1	1	1
311	E	DATF1_HUMAN (Q9BTC0)	Death-associated transcription	7.61E-03	129070.5	Q9BTC0	1	1	1
312	E	CHST6_HUMAN (Q9GZX3)	Carbohydrate sulfotransferase	5.32E-03	44071.2	Q9GZX3	1	1	1
313	C	TNKS2_HUMAN (Q9H2K2)	Tankyrase 2 (EC 2.4.2.30) (TP	1.90E-05	126838.5	Q9H2K2	1	1	1
314	C	Q9H2M8 (Q9H2M8)	DC28	8.59E-03	64005.01	Q9H2M8	1	1	1
315	E	SMRCD_HUMAN (Q9H4L7)	SWI/SNF-related, matrix assoc	7.44E-03	117299.9	Q9H4L7	1	1	1
316	E	~~SYB21_HUMAN (Q9H9B7)~~	~~Synaptobrevin-2-like protein~~	~~7.97E-03~~	~~102406.1~~	~~Q9H9B7~~	~~1~~	~~1~~	~~1~~
317	C	Q9H9B0 (Q9H9B0)	Hypothetical protein FLJ12883	9.96E-03	91169.25	Q9H9B0	1	1	1
318	A	Q9H9B6 (Q9H9B6)	Hypothetical protein FLJ12873	4.63E-03	71307.3	Q9H9B6	1	1	1
319	D	LPHN3_HUMAN (Q9HAR2)	Latrophilin-3 precursor (Calciu	9.90E-03	161709.3	Q9HAR2	1	1	1

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【表 5 - 1 0】

320	A	MAGE1_HUMAN (Q9HCl5) Melanoma-associated antigen	6.56E-03	103189.7	Q9HCl5	1	1
321	D	OLFL3_HUMAN (Q9NRN5) Olfactomedin-like protein 3 pr	1.86E-03	45981.32	Q9NRN5	1	1
322	D	TB22B_HUMAN (Q9NU19) TBC1 domain family member ;	3.31E-03	59044.32	Q9NU19	1	1
323	B	CT038_HUMAN (Q9NUV7) Protein C20orf38	7.71E-03	19679.8	Q9NUV7	1	1
324	A	Q9NxE3 (Q9NxE3) Hypothetical protein FLJ20298	8.80E-04	26243.39	Q9NxE3	1	1
325	E	THUM1_HUMAN (Q9NXG2) THUMP domain containing pr	7.48E-03	39290.82	Q9NXG2	1	1
326	B	TE2IP_HUMAN (Q9NYB0) Telomeric repeat binding factor	1.44E-03	44232.88	Q9NYB0	1	1
327	E	ZN226_HUMAN (Q9NYT6) Zinc finger protein 226	4.95E-03	81861.71	Q9NYT6	1	1
328	A	GSCR1_HUMAN (Q9NZM4) Glioma tumor suppressor car	6.54E-03	152898.4	Q9NZM4	1	1
329	B	HCN3_HUMAN (Q9P1Z3) Potassium/sodium hyperpolariz	5.36E-03	85977.23	Q9P1Z3	1	1
330	A	CEP72_HUMAN (Q9P209) Centrosomal protein of 72 kDa	1.96E-03	71673.01	Q9P209	1	1
331	A	CING_HUMAN (Q9P2M7) Cingulin	5.06E-03	136303.7	Q9P2M7	1	1
332	A	COPG2_HUMAN (Q9UBF2) Coatomer gamma-2 subunit (	6.47E-03	97559.69	Q9UBF2	1	1
333	B	~~Q9UBM4~~ (Q9UBM4) Octin-1 precursor (Octin-1 can	4.68E-07	37237.39	Q9UBM4	1	1
334	D	SL9A2_HUMAN (Q9UBY0) Sodium/hydrogen exchanger 2	6.23E-04	91461.34	Q9UBY0	1	1
335	E	Q9UJU1 (Q9UJU1) Cytovillin 2 (Fragment)	8.20E-03	16251.62	Q9UJU1	1	1
336	C	STML2_HUMAN (Q9UJZ1) Stomatin-like protein 2 (SLP-2	2.48E-03	38510.22	Q9UJZ1	1	1
337	C	MYH13_HUMAN (Q9UKX3) Myosin-13 (Myosin heavy cha	5.60E-03	223539.2	Q9UKX3	1	1
338	D	TTC7A_HUMAN (Q9ULT0) Tetratricopeptide repeat protei	6.23E-03	96123.27	Q9ULT0	1	1
339	E	ALK_HUMAN (Q9UM73) ALK tyrosine kinase receptor pre	9.57E-03	176304.4	Q9UM73	1	1
340	D	ICAM5_HUMAN (Q9UMF0) Intercellular adhesion molecu	2.21E-03	97270.1	Q9UMF0	1	1
341	E	PCDA7_HUMAN (Q9UN72) Protocadherin alpha 7 precurs	5.95E-03	100802.9	Q9UN72	1	1
342	C	SOX13_HUMAN (Q9UN79) SOX-13 protein (Type 1 diabe	7.41E-03	98718.72	Q9UN79	1	1
343	E	RHG26_HUMAN (Q9UNA1) Rho-GTPase-activating protei	9.52E-03	92176.67	Q9UNA1	1	1
344	A	TF2AY_HUMAN (Q9UNN4) TFIIA-alpha and beta-like fact	8.05E-03	52412.98	Q9UNN4	1	1
345	E	CNTN6_HUMAN (Q9UQ52) Contactin 6 precursor (Neural	5.55E-03	113885.1	Q9UQ52	1	1
346	A	NALDL_HUMAN (Q9UQQ1) N-acetylated-alpha-linked aci	1.21E-03	80574.27	Q9UQQ1	1	1
347	C	ADIP_HUMAN (Q9Y2D8) Atadin- and alpha-actinin-bindin	5.45E-03	71191.48	Q9Y2D8	1	1
348	D	CG141_HUMAN (Q9Y3E0) UPF0198 protein CGI-141	5.94E-05	15415.4	Q9Y3E0	1	1
349	D	ZN337_HUMAN (Q9Y3M9) Zinc finger protein 337	4.48E-03	86819.26	Q9Y3M9	1	1
350	C	TLN1_HUMAN (Q9Y490) Talin-1	3.76E-03	269596.3	Q9Y490	1	1
351	C	PCDGB_HUMAN (Q9Y5H2) Protocadherin gamma A11 pr	9.51E-03	101480.6	Q9Y5H2	1	1
352	A	WIF1_HUMAN (Q9Y5W5) Wnt inhibitory factor 1 precurs	5.15E-03	41499.8	Q9Y5W5	1	1
353	B	S12A7_HUMAN (Q9Y666) Solute carrier family 12 membe	1.59E-04	119072.7	Q9Y666	1	1
354	D	SNCAP_HUMAN (Q9Y6H5) Synphilin-1 (Alpha-synuclein-i	5.97E-03	100319	Q9Y6H5	1	1

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【表 6 - 1】

表 6

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25回の作動において同定されたタンパク質 (黄斑孔と診断された5人の患者)									
SEQUEST フィルター: $p \text{ prob} < 0.01$; X_{corr} 対 荷電状態: $[M+H]^1+$ について 1.5, $[M+2H]^2+$ について 2.0, $[M+3H]^3+$ について 2.5; $DCn > 0.1$									
患者	参考		P (確率)	NW	アクセシ ション	ペプチド (的中)	MH カウント	総 I D S 25 作動	
1	HGFIL	Serotransferrin precursor	4.22E-14	76999.66	P02787	20	5	25	
2	FGILH	Serum albumin precursor	1.00E-30	69321.63	P02768	11	5	25	
3	FLGIH	Keratin, type II cytoskeletal 1	9.37E-12	65846.88	P04264	7	5	24	
4	HILFG	Interphotoreceptor retinoid-binding protein precursor	2.22E-16	135277.8	P10745	5	5	24	
5	FLGHI	Hypothetical protein	1.27E-07	20655.36	Q56917	3	5	24	
6	FLIGH	Clusterin precursor	2.92E-08	52461.05	P10909	1	5	24	
7	HLIFG	Transferrin precursor	1.00E-30	15877.05	P02768	4	5	23	
8	FHGIL	Ig gamma-1 chain C region	1.35E-12	36083.16	P01857	7	5	19	
9	LFIHG	Keratin 10	1.11E-15	57212.99	Q14664	1	5	17	
10	LGFIH	Keratin, type I cytoskeletal 10	8.41E-08	59482.76	P13645	5	5	16	
11	HFGIL	Alpha-1-acid glycoprotein 1 precursor	5.78E-12	23496.77	P02763	2	5	15	
12	FGHLI	Apolipoprotein A-II precursor	6.42E-11	11167.9	P02652	1	5	15	
13	FGIH	Apolipoprotein A-I precursor	3.44E-14	30758.94	P02647	9	4	15	
14	FLIHG	Hemopexin precursor	5.33E-12	51643.32	P02790	5	5	14	
15	LGIH	PH domain containing protein	3.94E-05	53317.19	Q8TD55	1	4	14	
16	FHI	Hemoglobin delta subunit	1.04E-12	15914.25	P02042	7	3	14	
17	LHGIF	Pigment epithelium-derived factor precursor	1.57E-08	46313.36	P36955	3	5	12	
18	FLIHG	Hypothetical protein FLJ42076	8.88E-05	21036.72	Q6ZVU4	1	5	12	
19	FLGLH	Transcription factor NF-E4	1.59E-04	19006.73	Q86UQ8	1	5	12	
20	HGLF	Keratin, type II cytoskeletal	2.77E-09	65825.37	P35908	1	4	12	
21	HLIG	Keratin, type II cytoskeletal 1b	4.43E-06	61650.4	Q7Z794	1	4	12	
22	FHGI	Alpha 2 globin variant	1.89E-12	15270.94	Q53F97	5	4	10	
23	GLFH	Keratin, type I cytoskeletal 9	2.61E-10	62091.76	P35527	1	4	10	
24	IGLH	Hypothetical protein	6.10E-04	9188.304	Q6PHR9	1	4	10	
25	FLIH	Hypothetical protein DKFZp686I04196	3.51E-11	46031.66	Q6N093	3	4	9	
26	GHIL	Hypothetical protein FLJ40259	3.36E-04	66086.88	Q8N7W7	1	4	9	
27	HLGI	Nuclear receptor-interacting factor	1.57E-03	52754.03	Q8WY14	1	4	9	
28	FGH	Alpha-1-antitrypsin precursor	2.51E-13	46707.09	P01009	3	3	9	
29	ILH	Protein KIAA1683	2.65E-04	127611.8	Q9H0B3	1	3	9	
30	FHGI	IGKC protein	1.11E-15	25919.92	Q502W4	3	4	8	
31	HFLI	Dickkopf-related protein 3 precursor	4.25E-08	38266.07	Q9UBP4	2	4	8	

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【表 6 - 2】

32	GHL	Adenylyl cyclase type V	1.51E-04	39312.25	Q7RTV7	1	3	8
33	HFIL	Tumor necrosis factor	2.32E-03	20099.21	Q5VWH1	1	4	7
34	GIHL	HNRF-2	2.48E-04	31787.43	Q9H2I2	1	4	7
35	FIH	<u>Beta-globin gene from a thalassemia patient</u>	3.34E-11	18918.59	Q14473	7	3	7
36	HIG	Epsilon-sarcoglycan precursor	4.19E-04	49722.25	O43556	1	3	7
37	FIG	Receptor-type tyrosine-protein phosphatase delta	2.34E-03	214623.5	P23468	1	3	7
38	FHG	Vitamin D-binding protein	2.26E-10	52902.04	Q6GTG1	1	3	7
39	HIL	Cytochrome P450, family 2D, subfamily A,	2.11E-06	52460.08	Q8WMA9	1	3	7
40	LHGI	Double-stranded RNA-binding protein	1.64E-03	63227.92	O95793	1	4	6
41	HLIG	Hypothetical protein TMEN55A	3.73E-05	28062.26	Q8N4L2	1	4	6
42	ILH	KIAA1200 protein	1.07E-03	155607.6	Q9ULM0	2	3	6
43	GHF	Complement C4-A precursor	3.98E-08	192649.5	P0C0L4	1	3	6
44	FG	Hypothetical protein DKFZp886J11235	4.12E-10	54424.95	Q6MZW0	4	2	6
45	FG	Complement C3 precursor	4.12E-10	187045.3	P01024	3	2	6
46	FH	IGLC2 protein	1.61E-13	24784.13	Q567P1	3	2	6
47	HF	RhoGTPase regulating protein variant	5.25E-04	130153.4	Q6RJU1	1	2	6
48	ILFG	Tuberin (Tuberous sclerosis 2 protein)	1.14E-04	200621.4	P49815	1	4	5
49	GHIL	Hypothetical protein FAM33A	1.51E-03	14179.33	Q8WWK7	1	4	5
50	GLI	Vacuolar protein sorting 13A	3.28E-03	360046.1	Q98RL7	2	3	5
51	LHF	Apolipoprotein E precursor	3.48E-08	36131.79	P02649	1	3	5
52	LGH	Novel protein	1.60E-03	107275.7	Q5T7N3	1	3	5
53	IGH	Hypothetical protein FLJ35435	1.80E-05	65308.66	Q8NAF6	1	3	5
54	GHL	Kalikrein-14 precursor	5.06E-04	27434.89	Q9P0G3	1	3	5
55	FH	Apolipoprotein A-IV precursor	4.69E-12	45343.52	P06727	3	2	5
56	HF	KIAA0425 protein	2.12E-04	141056.5	O43308	1	2	5
57	LH	MYH7B protein	5.17E-04	114574.5	Q96157	1	2	5
58	F	Ceruloplasmin precursor	3.13E-10	122127.6	P00450	2	1	5
59	L	Alpha-2-macroglobulin precursor	5.36E-09	163174.3	P01023	2	1	5
60	F	VH1 protein precursor	1.60E-07	17292.5	O95978	1	1	5
61	L	Osteopontin precursor	5.20E-10	35401.25	P10451	1	1	5
62	GHL	Intercellular adhesion molecule 3 precursor	2.21E-03	59345.85	P32942	1	3	4
63	FGL	PML-RARA regulated adaptor molecule	1.05E-03	73950.18	Q8N6W7	1	3	4
64	HIG	Protein C19orf10 precursor (Stromal cell-derived GF)	2.10E-03	18783.32	Q969H8	1	3	4
65	GIL	Calcium-independent phospholipase A2	4.48E-03	88421.11	Q9NP80	1	3	4
66	FG	Alpha-2-HS-glycoprotein precursor	1.29E-06	39299.73	P02765	2	2	4
67	IL	Dysglycan precursor	1.67E-03	97519.91	Q14118	2	2	4

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【表 6 - 3】

68	GI	Sortilin-related receptor precursor	2.94E-04	248280	Q92673	1	2	4
69	G	Ig kappa chain V-II region	4.45E-07	12668.32	P01614	1	1	4
70	G	Ig kappa chain V-II region MIL	4.45E-07	12048.05	P01616	1	1	4
71	F	Ig gamma-3 chain C region	2.03E-09	32309.81	P01860	1	1	4
72	F	Beta-2-glycoprotein I precursor	3.39E-08	38272.67	P02749	1	1	4
73	F	Piccolo protein (Aczonin)	4.88E-04	566313.1	Q9Y6V0	1	1	4
74	HLJ	Zinc finger protein 197	4.48E-04	118770.8	O14709	1	3	3
75	FGH	Alpha-1B-glycoprotein precursor	1.32E-09	54238.7	P04217	1	3	3
76	HLG	FES_HUMAN (P07332) Proto-oncogene tyrosine-protein k	1.22E-03	93412.31	P07332	1	3	3
77	GIF	Multidrug resistance-associated protein 1	3.76E-03	171450.5	P33527	1	3	3
78	FIG	Thrombospondin-2 precursor	1.62E-03	129871.5	P35442	1	3	3
79	LH	Neuronal membrane glycoprotein M6-a	4.39E-03	31188.39	P51674	1	3	3
80	HLG	WD-repeat protein 9	1.15E-03	257060.4	Q9NSI6	1	3	3
81	HLJ	ADAM 28 precursor	2.13E-03	87151.09	Q9UKQ2	1	3	3
82	FL	Gelsolin precursor	2.02E-04	85644.26	P06396	1	2	3
83	GH	Basement membrane-specific heparan sulfate proteoglyca	3.32E-03	488528.2	P98160	1	2	3
84	LH	Para-hydroxybenzoate-polyphenyltransferase	3.67E-03	45578.79	Q684R2	1	2	3
85	FI	HSAL5836	2.94E-03	9682.161	Q6UW99	1	2	3
86	IH	Hypothetical protein FLJ44832	2.50E-03	139335.1	Q6ZQT3	1	2	3
87	IH	Hypothetical protein FLJ40243	3.12E-03	180566.4	Q7Z745	1	2	3
88	IL	Hypothetical protein KIAA1505	2.15E-03	112734.9	Q8IYE0	1	2	3
89	LI	Keratin, type I cytoskeletal 12	7.68E-06	53478.53	Q99456	1	2	3
90	L	Nuclear pore complex protein Nup153	5.51E-03	153793.4	P49790	1	1	3
91	F	Keratin, type II cytoskeletal 2	4.77E-04	65830.09	Q01546	1	1	3
92	H	Secreted frizzled-related protein 3 precursor	5.30E-06	36230.29	Q92765	1	1	3
93	GI	Zinc finger protein 185	4.64E-03	49156.87	O15231	1	2	2
94	IL	A-kinase anchor protein 3	2.47E-05	94676.41	O75969	1	2	2
95	HL	Alpha-1-antichymotrypsin precursor	2.73E-03	47620.63	P01011	1	2	2
96	FG	Plasma retinol-binding protein precursor	6.64E-03	22995.26	P02753	1	2	2
97	HG	Filamin-A	1.64E-03	280583.4	P21333	1	2	2
98	HL	G protein-activated inward rectifier potassium channel	1.22E-03	56566.8	P48549	1	2	2
99	GI	Telomeric repeat binding factor 1	2.43E-03	50313.11	P54274	1	2	2
100	HG	Trichohyalin	3.52E-03	247074.4	Q07283	1	2	2
101	IH	Kinesin-like protein KIF1A	3.48E-03	190963.1	Q12756	1	2	2
102	LH	Myosin-7A	1.43E-03	254242.5	Q13402	1	2	2
103	GH	Ubiquitin conjugation factor E4	7.16E-05	122482	Q14139	1	2	2

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【表 6 - 4】

104	IL	UDP-N-acetylhexosamine pyrophosphorylase	2.88E-03	58731.98	Q16222	1	2	2
105	GH	Alpha-interferon	6.89E-04	55357.48	Q16352	1	2	2
106	GF	Maguin-like protein variant II	6.04E-03	61848.88	Q5SGD5	1	2	2
107	LH	RIF1_HUMAN (Q5UIP0) Telomere-associated protein RIF	2.56E-03	274293	Q5UIP0	1	2	2
108	GH	Q6P4H8 (Q6P4H8) Hypothetical protein LOC134145	3.97E-03	26123.47	Q6P4H8	1	2	2
109	GH	TRPM8_HUMAN (Q7Z2W7) Transient receptor potential c	7.58E-04	127573.3	Q7Z2W7	1	2	2
110	HL	Q8IV47 (Q8IV47) Fibromodulin,	6.22E-04	43151.57	Q8IV47	1	2	2
111	LG	Q8N9V7 (Q8N9V7) Hypothetical protein FLJ36157	6.30E-04	77526.28	Q8N9V7	1	2	2
112	HG	LIPB2_HUMAN (Q8ND30) Liprin-beta 2 (Protein tyrosine p	3.34E-03	98383.37	Q8ND30	1	2	2
113	LG	Q8NDD1 (Q8NDD1) Hypothetical protein DKFZp547B1713	5.52E-03	32732.49	Q8NDD1	1	2	2
114	GF	SYNE1_HUMAN (Q8NF91) Nesprin-1 (Nuclear envelope s	1.60E-03	1010433	Q8NF91	1	2	2
115	LH	Q8NHQ3 (Q8NHQ3) RBBP8 protein	6.21E-05	102594.6	Q8NHQ3	1	2	2
116	LJ	PCSK5_HUMAN (Q92824) Proprotein convertase subtilisin	2.56E-04	101708.3	Q92824	1	2	2
117	LH	K1849_HUMAN (Q96JH8) Protein KIAA1849	6.35E-03	116630	Q96JH8	1	2	2
118	HL	Q96S02 (Q96S02) Hypothetical protein gs80	3.06E-03	25483.99	Q96S02	1	2	2
119	LH	MINT_HUMAN (Q96T58) Msx2-interacting protein (SPEN I	2.71E-03	402004.3	Q96T58	1	2	2
120	LH	GGA2_HUMAN (Q9UJY4) ADP-ribosylation factor binding	3.44E-03	67133.75	Q9UJY4	1	2	2
121	HL	Q9ULH9 (Q9ULH9) KIAA1241 protein (Fragment)	1.73E-05	97158.45	Q9ULH9	1	2	2
122	LG	Q9Y2W9 (Q9Y2W9) Endocrine regulator	1.57E-04	231761.3	Q9Y2W9	1	2	2
123	LH	CT004_HUMAN (Q9Y312) Protein C20orf4	5.11E-03	43444.13	Q9Y312	1	2	2
124	GF	KIF3A_HUMAN (Q9Y496) Kinesin-like protein KIF3A (Micr	8.14E-04	80335.11	Q9Y496	1	2	2
125	I	CAC1G_HUMAN (Q43497) Voltage-dependent T-type calc	2.51E-03	262301.1	O43497	1	1	1
126	I	GLU2B_HUMAN (P14314) Glucosidase II beta subunit pre	1.97E-03	59258.88	P14314	1	1	1
127	F	PTGDS_HUMAN (P41222) Prostaglandin-H2-D-isomerase	7.86E-08	21015.35	P41222	1	1	1
128	H	ATS12_HUMAN (P58397) ADAMTS-12 precursor (EC 3.4. 2	1.6E-03	177429.5	P58397	1	1	1
129	F	HBG1_HUMAN (P69891) Hemoglobin gamma-1 subunit (f	8.59E-03	15999.27	P69891	1	1	1
130	F	APXL_HUMAN (Q13796) Apical-like protein (APXL protein	1.55E-03	176302	Q13796	1	1	1
131	I	UBP10_HUMAN (Q14694) Ubiquitin carboxyl-terminal hyd	1.05E-03	87079.84	Q14694	1	1	1
132	I	Q15394 (Q15394) KIAA0005 protein (Fragment)	6.56E-04	48615.16	Q15394	1	1	1
133	G	Q4V312 (Q4V312) Colony stimulating factor 2 receptor, alt	6.07E-04	46871.63	Q4V312	1	1	1
134	I	Q4V9L7 (Q4V9L7) NGRN protein (Fragment)	4.36E-03	31332.13	Q4V9L7	1	1	1
135	I	Q53SW1 (Q53SW1) Hypothetical protein FLJ20254	2.53E-03	48539.34	Q53SW1	1	1	1
136	H	Q5BLQ2 (Q5BLQ2) Mucin	5.22E-03	289658.2	Q5BLQ2	1	1	1
137	F	Q5JRC3 (Q5JRC3) RPEL repeat containing 1 (Fragment)	4.33E-03	25543.2	Q5JRC3	1	1	1
138	F	Q5T2J8 (Q5T2J8) OTTHUMP0000018139 (Fragment)	1.44E-03	97147.08	Q5T2J8	1	1	1
139	H	Q659E3 (Q659E3) Hypothetical protein DKFZp434i138	1.86E-03	78784.1	Q659E3	1	1	1

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【表 6 - 5】

140	G	Q65ZC8 (Q65ZC8) Single-chain Fv (Fragment)	3.05E-05	26110.55	Q65ZC8	1	1	2
141	F	Q6NUJ2 (Q6NUJ2) LOC150763 protein	5.06E-04	87507.18	Q6NUJ2	1	1	2
142	L	Q6PHR8 (Q6PHR8) Hypothetical protein (Fragment)	2.10E-03	33452.8	Q6PHR8	1	1	2
143	G	Q6ZTG8 (Q6ZTG8) Hypothetical protein FLJ44670	3.09E-03	115755	Q6ZTG8	1	1	2
144	G	Q6ZV44 (Q6ZV44) Hypothetical protein FLJ43007	6.95E-04	19332.49	Q6ZV44	1	1	2
145	F	Q702P2 (Q702P2) VPS13C-2B protein	4.75E-03	407940.5	Q702P2	1	1	2
146	I	VPS36_HUMAN (Q86VN1) Vacuolar protein sorting protein	1.09E-03	43788.79	Q86VN1	1	1	2
147	F	Q8N7Q3 (Q8N7Q3) Hypothetical protein FLJ40479	1.50E-03	45893.4	Q8N7Q3	1	1	2
148	I	RYR2_HUMAN (Q92736) Ryanodine receptor 2 (Cardiac n	6.98E-03	564136.1	Q92736	1	1	2
149	I	TOP1M_HUMAN (Q969P6) DNA topoisomerase I, mitochr	5.03E-03	69828.34	Q969P6	1	1	2
150	F	Q96EK0 (Q96EK0) Hypothetical protein MGC4655	1.44E-03	41865.86	Q96EK0	1	1	2
151	I	GPTC3_HUMAN (Q96I76) G patch domain containing prot	4.90E-03	59301.11	Q96I76	1	1	2
152	F	Q9BRQ8 (Q9BRQ8) Apoptosis-inducing factor (AIF)-like p	2.48E-03	40501.28	Q9BRQ8	1	1	2
153	I	Q9BS34 (Q9BS34) Zinc finger protein 670 (Hypothetical pr	7.16E-03	44574.27	Q9BS34	1	1	2
154	I	PLEA5_HUMAN (Q9HAU0) Pleckstrin homology domain-c	3.50E-03	127384.5	Q9HAU0	1	1	2
155	G	Q9NXX0 (Q9NXX0) Hypothetical protein FLJ20202	1.52E-03	44899.86	Q9NXX0	1	1	2
156	F	COPG2_HUMAN (Q8UBF2) Coarctator gamma-2 subunit (	1.54E-03	97559.69	Q8UBF2	1	1	2
157	I	RT02_HUMAN (Q9Y399) Mitochondrial 28S ribosomal pro	9.43E-05	33228.08	Q9Y399	1	1	2
158	H	Q5VXU2 (Q5VXU2) Propionyl Coenzyme A carboxylase, a	1.34E-04	80235.37	Q5VXU2	2	1	1
159	G	SGK1_HUMAN (O00141) Serine/threonine-protein kinase :	1.08E-03	48925.35	O00141	1	1	1
160	I	TR10A_HUMAN (O00220) Tumor necrosis factor receptor	3.21E-04	50028.81	O00220	1	1	1
161	F	O149I3 (O149I3) Kruppel-associated box protein	2.39E-03	52045.66	O149I3	1	1	1
162	G	HAT1_HUMAN (O14929) Histone acetyltransferase type B	1.43E-03	49480.84	O14929	1	1	1
163	F	O150I4 (O150I4) KIAA0295 protein (Fragment)	2.79E-03	106382.5	O150I4	1	1	1
164	L	PDZK3_HUMAN (O15018) PDZ domain containing protein	2.91E-03	301423.4	O15018	1	1	1
165	F	DMN_HUMAN (O15061) Desmuslin	2.87E-03	172662.5	O15061	1	1	1
166	G	SOX12_HUMAN (O15370) SOX-12 protein (SOX-22 prote	1.92E-03	34279.67	O15370	1	1	1
167	F	O437I9 (O437I9) HIV TAT specific factor 1	2.48E-03	85800.38	O437I9	1	1	1
168	F	KPRB_HUMAN (O60256) Phosphoribosyl pyrophosphate :	3.63E-05	40899.39	O60256	1	1	1
169	H	LSD1_HUMAN (O60341) Lysine-specific histone demethyl	2.99E-04	92844.88	O60341	1	1	1
170	F	TBCD4_HUMAN (O60343) TBC1 domain family member 4	3.13E-03	146470.8	O60343	1	1	1
171	L	FZD6_HUMAN (O60353) Frizzled 6 precursor (Frizzled-6)	1.13E-03	79222.06	O60353	1	1	1
172	I	TLR5_HUMAN (O60602) Toll-like receptor 5 precursor (To	5.88E-03	97863.38	O60602	1	1	1
173	H	O60826 (O60826) JM1 protein (Hypothetical protein CCDC	2.74E-03	70712.32	O60826	1	1	1
174	G	GAS7_HUMAN (O60861) Growth-arrest-specific protein 7	3.84E-04	47236.75	O60861	1	1	1
175	L	O75179 (O75179) KIAA0697 protein (Fragment)	1.34E-03	263079.2	O75179	1	1	1

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【表 6 - 6】

176	F	PRPU_HUMAN (O94906)	U5 snRNP-associated 102 kDa	8.74E-03	106857.9	O94906	1	1	1
177	F	SLIK3_HUMAN (O94933)	SLIT and NTRK-like protein 3 pr	9.29E-03	108937.1	O94933	1	1	1
178	L	O95285	Erythroblast macrophage protein EMP	8.16E-03	43879.31	O95285	1	1	1
179	L	ZIC2_HUMAN (O95409)	Zinc finger protein ZIC 2 (Zinc fin	2.32E-03	54971.09	O95409	1	1	1
180	L	SVIL_HUMAN (O95425)	Supervillin (Archvillin) (p205/p250	6.30E-03	247550.6	O95425	1	1	1
181	F	FMNL_HUMAN (O95466)	Formin-like 1 protein (Formin-lik	9.19E-03	121750.9	O95466	1	1	1
182	H	HPT_HUMAN (P00738)	Haptoglobin precursor [Contains: 1	2.71E-05	45176.59	P00738	1	1	1
183	H	CYTIC_HUMAN (P01034)	Cystatin C precursor (Neuroend	2.77E-05	15789.08	P01034	1	1	1
184	G	KV2B_HUMAN (P01615)	Ig kappa chain V-II region FR	5.81E-04	12651.75	P01615	1	1	1
185	I	CO3A1_HUMAN (P02461)	Collagen alpha 1(III) chain prec	4.25E-03	138470.2	P02461	1	1	1
186	L	K2C6A_HUMAN (P02538)	Keratin, type II cytoskeletal 6A (	7.41E-07	59877.28	P02538	1	1	1
187	F	FIBG_HUMAN (P02679)	Fibrinogen gamma chain precurs	1.61E-04	51478.88	P02679	1	1	1
188	H	CRP_HUMAN (P02741)	C-reactive protein precursor [Con	9.82E-03	25022.68	P02741	1	1	1
189	I	AMBP_HUMAN (P02760)	AMBP protein precursor [Contai	1.37E-04	38973.99	P02760	1	1	1
190	F	VTNC_HUMAN (P04004)	Vitronectin precursor (Serum spi	5.97E-08	54271.23	P04004	1	1	1
191	F	CSF1R_HUMAN (P07333)	Macrophage colony-stimulating	8.66E-03	107915.2	P07333	1	1	1
192	F	RET_HUMAN (P07949)	Proto-oncogene tyrosine-protein k	4.41E-03	124239.4	P07949	1	1	1
193	L	RARA_HUMAN (P10276)	Retinoic acid receptor alpha (RA	5.40E-04	50738.42	P10276	1	1	1
194	F	CP2D6_HUMAN (P10635)	Cytochrome P450 2D6 (EC 1.1.4	3.7E-03	55766.2	P10635	1	1	1
195	H	C1TC_HUMAN (P11586)	C-1-tetrahydrofolate synthase, c	1.60E-03	101364.5	P11586	1	1	1
196	L	CSPG2_HUMAN (P13611)	Versican core protein precursor	7.15E-06	372589	P13611	1	1	1
197	L	K1C13_HUMAN (P13646)	Keratin, type I cytoskeletal 13 (	4.22E-03	49555.45	P13646	1	1	1
198	H	PDE6A_HUMAN (P16499)	Rod cGMP-specific 3',5'-cyclic	9.31E-03	99438.76	P16499	1	1	1
199	F	A1AG2_HUMAN (P19652)	Alpha-1-acid glycoprotein 2 pre	4.50E-06	23587.64	P19652	1	1	1
200	H	NEBU_HUMAN (P20929)	Nebulin	7.84E-04	772742.8	P20929	1	1	1
201	F	PRDX2_HUMAN (P32119)	Peroxiredoxin 2 (EC 1.11.1.15)	9.46E-03	21747.2	P32119	1	1	1
202	L	HYES_HUMAN (P34913)	Epoxide hydrolase 2 (EC 3.3.2.3	4.29E-04	62574.77	P34913	1	1	1
203	G	MYH11_HUMAN (P35749)	Myosin-11 (Myosin heavy chain	2.94E-03	227197.9	P35749	1	1	1
204	G	BRCA1_HUMAN (P38398)	Breast cancer type 1 susceptib	9.37E-03	207590.9	P38398	1	1	1
205	L	RL13A_HUMAN (P40429)	60S ribosomal protein L13a (23	9.48E-03	23431.35	P40429	1	1	1
206	I	STAT1_HUMAN (P42224)	Signal transducer and activator	7.68E-03	87279.63	P42224	1	1	1
207	H	RHG25_HUMAN (P42331)	Rho-GTPase-activating protein	8.14E-03	72385.19	P42331	1	1	1
208	F	AFAM_HUMAN (P43652)	Afamin precursor (Alpha-albumi	8.12E-05	69024.09	P43652	1	1	1
209	H	RBP2_HUMAN (P49792)	Ran-binding protein 2 (RanBP2)	3.16E-03	357991.4	P49792	1	1	1
210	I	TCPOQ_HUMAN (P50990)	T-complex protein 1, theta subu	6.50E-03	59451.57	P50990	1	1	1
211	F	DPOG1_HUMAN (P54096)	DNA polymerase gamma subu	3.35E-03	139473.4	P54096	1	1	1

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【表 6 - 7】

212	H	ELL_HUMAN (P55199)	RNA polymerase II elongation factor	5.19E-03	68222.91	P55199	1	1	1
213	G	CAD12_HUMAN (P55289)	Brain-cadherin precursor (BR-c)	1.52E-03	88219.76	P55289	1	1	1
214	H	KR102_HUMAN (P60368)	Keratin-associated protein 10-2	1.72E-03	25595.75	P60368	1	1	1
215	H	PSME3_HUMAN (P61289)	Proteasome activator complex	5.60E-03	29487.55	P61289	1	1	1
216	L	RT21_HUMAN (P82921)	Mitochondrial 28S ribosomal protein 2.34E-03	10734.48	P82921	1	1	1	1
217	I	NSBP1_HUMAN (P82970)	Nucleosomal binding protein 1	1.93E-03	31505.95	P82970	1	1	1
218	G	SCN7A_HUMAN (Q01118)	Sodium channel protein type V	1.66E-03	193345	Q01118	1	1	1
219	I	BDH_HUMAN (Q02338)	D-beta-hydroxybutyrate dehydrog	5.68E-03	38132.47	Q02338	1	1	1
220	L	CK013_HUMAN (Q02833)	Protein C11orf13 (HRAS1-relat)	3.17E-03	39920.6	Q02833	1	1	1
221	L	BPA1_HUMAN (Q03001)	Bullous pemphigoid antigen 1 iso	7.39E-03	371976.9	Q03001	1	1	1
222	F	ATP7A_HUMAN (Q04656)	Copper-transporting ATPase 1	3.35E-03	163230	Q04656	1	1	1
223	L	APLP2_HUMAN (Q06481)	Amyloid-like protein 2 precursor	1.03E-09	86900.28	Q06481	1	1	1
224	L	TRDN_HUMAN (Q13061)	Triadin	6.20E-03	81374.51	Q13061	1	1	1
225	F	CSN1_HUMAN (Q13098)	COP9 signalosome complex sub	7.31E-03	53338.1	Q13098	1	1	1
226	H	NOG2_HUMAN (Q13823)	Nucleolar GTP-binding protein 2	9.59E-03	83603.43	Q13823	1	1	1
227	H	Q14159 (Q14159)	KIAA0146 protein (Fragment)	1.44E-03	100592.3	Q14159	1	1	1
228	I	BMS1_HUMAN (Q14592)	Ribosome biogenesis protein BM	3.76E-03	145715.5	Q14592	1	1	1
229	L	2A5D_HUMAN (Q14738)	Serine/threonine protein phosph	2.98E-03	69947.5	Q14738	1	1	1
230	F	RBBP5_HUMAN (Q15291)	Retinoblastoma-binding protein	9.99E-03	59044.69	Q15291	1	1	1
231	H	Q15299 (Q15299)	RARB protein	2.59E-04	11644	Q15299	1	1	1
232	F	QDC37_HUMAN (Q16543)	Hsp90 co-chaperone Qdc37	8.92E-03	44440.05	Q16543	1	1	1
233	H	DUS5_HUMAN (Q16890)	Dual specificity protein phosphat	3.16E-04	42080.39	Q16890	1	1	1
234	H	Q49AA0 (Q49AA0)	ZNF642 protein	5.50E-03	61112.29	Q49AA0	1	1	1
235	G	Q4VC44 (Q4VC44)	FLYWCH-type zinc finger 1, isoform a	1.11E-03	79985.74	Q4VC44	1	1	1
236	L	Q4VXM4 (Q4VXM4)	Chromosome 20 open reading frame	2.21E-03	114932.5	Q4VXM4	1	1	1
237	F	Q53EU6 (Q53EU6)	Hypothetical protein (Fragment)	9.80E-04	48673.52	Q53EU6	1	1	1
238	L	Q53RG2 (Q53RG2)	Hypothetical protein CHRNA	4.34E-03	58259.47	Q53RG2	1	1	1
239	L	Q562E5 (Q562E5)	KIAA0194 protein (Fragment)	3.73E-04	157553.1	Q562E5	1	1	1
240	G	Q59FI9 (Q59FI9)	Ribosomal protein L12 variant (Fragment)	6.72E-03	21469.49	Q59FI9	1	1	1
241	H	Q5JPU1 (Q5JPU1)	Pyruvate dehydrogenase (Lipoamide)	3.07E-03	22743.74	Q5JPU1	1	1	1
242	L	Q5JTH6 (Q5JTH6)	Exosomal core protein CSL4	5.99E-04	18804.54	Q5JTH6	1	1	1
243	L	Q5JX69 (Q5JX69)	OTTHUMP00000031352	8.08E-03	19485.96	Q5JX69	1	1	1
244	G	Q5T1J6 (Q5T1J6)	OTTHUMP00000030508	4.35E-03	17161.46	Q5T1J6	1	1	1
245	H	Q5TDG2 (Q5TDG2)	Hydroxy-delta-5-steroid dehydrogenat	2.32E-03	42427.11	Q5TDG2	1	1	1
246	L	Q5TYW1 (Q5TYW1)	Novel protein (Fragment)	4.42E-03	97254.69	Q5TYW1	1	1	1
247	G	Q5VXI2 (Q5VXI2)	Myosin IIIA	7.99E-03	22191.69	Q5VXI2	1	1	1

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【表 6 - 8】

248	H	Q5VYM8 (Q5VYM8) Unc-13 homolog B (C. elegans)	2.31E-03	180563.2	Q5VYM8	1	1	1
249	I	Q5XPV5 (Q5XPV5) Sjogren syndrome antigen A1	5.68E-04	54089.2	Q5XPV5	1	1	1
250	F	Q63HP7 (Q63HP7) Hypothetical protein DKFZp686P1551	5.39E-03	65621.97	Q63HP7	1	1	1
251	H	Q659F3 (Q659F3) Hypothetical protein DKFZp434J194	4.86E-03	14956.27	Q659F3	1	1	1
252	F	CEP4_HUMAN (Q66GS9) Centrosomal protein 4 (Centros	9.02E-04	133421.9	Q66GS9	1	1	1
253	I	Q68C18 (Q68C18) Hypothetical protein HMFT1272 (Fragm	2.38E-03	48598.88	Q68C18	1	1	1
254	L	Q68DL8 (Q68DL8) Hypothetical protein DKFZp781L0319	3.98E-03	84645.59	Q68DL8	1	1	1
255	F	S6A19_HUMAN (Q695T7) Sodium-dependent neutral amii	5.44E-03	71063.29	Q695T7	1	1	1
256	L	Q6A334 (Q6A334) Mutated in bladder cancer 1	8.74E-03	61882.69	Q6A334	1	1	1
257	F	Q6IA31 (Q6IA31) FLJ14154 protein	7.48E-03	27415.97	Q6IA31	1	1	1
258	G	Q6IBW4 (Q6IBW4) Em:U62317.2 protein	6.70E-03	68183.7	Q6IBW4	1	1	1
259	I	Q6IE81 (Q6IE81) JADE1L protein	9.07E-03	95472.82	Q6IE81	1	1	1
260	I	Q6IF05 (Q6IF05) Olfactory receptor OR1-47	8.84E-04	37737.82	Q6IF05	1	1	1
261	I	ST6B1_HUMAN (Q6IM14) Sulfotransferase 6B1 (EC 2.8.2.	9.60E-03	30491.21	Q6IM14	1	1	1
262	G	PTRF_HUMAN (Q6NZI2) Polymerase I and transcript rele	1.14E-03	43449.88	Q6NZI2	1	1	1
263	I	Q6P3W7 (Q6P3W7) Similar to mouse D10Erd802e protei	9.06E-04	103642.4	Q6P3W7	1	1	1
264	F	Q6P658 (Q6P658) FNBP1 protein (Fragment)	6.14E-04	40759.38	Q6P658	1	1	1
265	H	GP133_HUMAN (Q6QNK2) Probable G-protein coupled re	7.32E-03	96468.2	Q6QNK2	1	1	1
266	F	Q6UXX5 (Q6UXX5) ITI-like protein (Inter-alpha (Globulin) i	6.30E-03	143097.8	Q6UXX5	1	1	1
267	H	Q6ZMV7 (Q6ZMV7) Hypothetical protein FLJ16641	5.36E-03	45118.72	Q6ZMV7	1	1	1
268	L	Q6ZMX7 (Q6ZMX7) Hypothetical protein FLJ16607	1.23E-03	147809.7	Q6ZMX7	1	1	1
269	L	Q6ZQN2 (Q6ZQN2) Hypothetical protein FLJ46846	2.18E-03	180573.9	Q6ZQN2	1	1	1
270	H	Q6ZVL2 (Q6ZVL2) Hypothetical protein FLJ42427	7.92E-03	15702.14	Q6ZVL2	1	1	1
271	F	Q6ZW87 (Q6ZW87) Hypothetical protein FLJ41443	5.09E-03	24773.63	Q6ZW87	1	1	1
272	I	Q7KYS7 (Q7KYS7) Hypothetical protein (Fragment)	1.53E-03	31128.16	Q7KYS7	1	1	1
273	F	Q7KZ97 (Q7KZ97) Antithrombin III variant	3.10E-06	52657.96	Q7KZ97	1	1	1
274	G	Q7RTS7 (Q7RTS7) Keratin 5c	4.83E-03	59333.45	Q7RTS7	1	1	1
275	F	CA036_HUMAN (Q7Z3Z2) Protein C1orf36	1.27E-04	22689.57	Q7Z3Z2	1	1	1
276	H	Q7Z402 (Q7Z402) Transmembrane channel-like protein 7	6.94E-03	83447.49	Q7Z402	1	1	1
277	I	Q7Z736 (Q7Z736) Hypothetical protein FLJ21019	7.52E-03	85273.38	Q7Z736	1	1	1
278	I	Q86VJ1 (Q86VJ1) E3 ligase for inhibin receptor	9.51E-03	289427.4	Q86VJ1	1	1	1
279	G	Q86WI3 (Q86WI3) NOD27	2.47E-03	204535	Q86WI3	1	1	1
280	L	Q86Y22 (Q86Y22) Alpha 1 type XXIII collagen	3.71E-03	51912.29	Q86Y22	1	1	1
281	F	Q8IUAT (Q8IUAT) ATP-binding cassette sub-family A mem	5.35E-03	184241.6	Q8IUAT	1	1	1
282	G	Q8IUG8 (Q8IUG8) Carnitine transporter 2	6.69E-03	60830.3	Q8IUG8	1	1	1
283	F	Q8IUS2 (Q8IUS2) LOC339483 protein	3.48E-03	2870.257	Q8IUS2	1	1	1

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【表 6 - 9】

284	I	Q8IXT9 (Q8IXT9) RUN domain containing 1	5.03E-03	67603.02	Q8IXT9	1	1	1
285	L	Q8IZA4 (Q8IZA4) ELYS transcription factor-like protein TV	5.66E-03	256022.6	Q8IZA4	1	1	1
286	L	ASPM_HUMAN (Q8IZT6) Abnormal spindle-like microceph	4.72E-03	409539.8	Q8IZT6	1	1	1
287	G	Q8N1G4 (Q8N1G4) Hypothetical protein LRRC47 (Novel p	2.19E-03	63433.89	Q8N1G4	1	1	1
288	H	Q8N401 (Q8N401) KIAA1632 protein	8.67E-03	52340.19	Q8N401	1	1	1
289	L	DCAK2_HUMAN (Q8N568) Serine/threonine-protein kinas	4.26E-03	83587.57	Q8N568	1	1	1
290	L	Q8N5E0 (Q8N5E0) Apoptosis-inducing factor like, isoform	5.12E-03	65924.3	Q8N5E0	1	1	1
291	I	Q8N780 (Q8N780) Hypothetical protein FLJ25943	1.83E-03	33347.2	Q8N780	1	1	1
292	H	Q8NBZ1 (Q8NBZ1) Hypothetical protein FLJ38687	9.20E-03	16623.52	Q8NBZ1	1	1	1
293	F	Q8NC99 (Q8NC99) Hypothetical protein FLJ90396	5.35E-03	66758.55	Q8NC99	1	1	1
294	H	Q8NF06 (Q8NF06) FLJ00398 protein (Fragment)	1.78E-04	72000.41	Q8NF06	1	1	1
295	G	Q8NFX8 (Q8NFX8) Neuroblastoma-amplified protein	1.13E-03	268295.4	Q8NFX8	1	1	1
296	L	O10A7_HUMAN (Q8NGE5) Olfactory receptor 10A7	8.56E-03	35870.34	Q8NGE5	1	1	1
297	F	Q8NH29 (Q8NH29) Seven transmembrane helix receptor	1.70E-04	25373.85	Q8NH29	1	1	1
298	G	IL17D_HUMAN (Q8TAD2) Interleukin-17D precursor (IL-1	6.37E-03	21879.14	Q8TAD2	1	1	1
299	H	Q8TBE7 (Q8TBE7) TMEM22 protein	7.86E-03	46419.88	Q8TBE7	1	1	1
300	F	Q8TCE1 (Q8TCE1) SERPINC1 protein	2.30E-05	29073.79	Q8TCE1	1	1	1
301	F	Q8TCJ2 (Q8TCJ2) Source of immunodominant MHC-asso	3.14E-04	93613.76	Q8TCJ2	1	1	1
302	F	DDX54_HUMAN (Q8TDD1) DEAD-box protein 54 (EC 3.6.	1.74E-03	98534.24	Q8TDD1	1	1	1
303	F	K1199_HUMAN (Q8WUJ3) Protein KIAA1199 precursor	9.51E-03	152900	Q8WUJ3	1	1	1
304	F	GCN1L_HUMAN (Q92616) GCN1-like protein 1 (HsGCN1	7.47E-03	292424.8	Q92616	1	1	1
305	G	Q92772 (Q92772) P56 KIAMRE protein kinase (Cyclin-de	6.77E-03	55982.93	Q92772	1	1	1
306	L	COR2A_HUMAN (Q92828) Coronin-2A (WD repeat-contai	3.04E-03	59725.43	Q92828	1	1	1
307	G	Q969T7 (Q969T7) Hypothetical protein MGC20781	6.70E-03	33551.02	Q969T7	1	1	1
308	G	DGC14_HUMAN (Q96DF8) DGC14 protein (DiGeorge sy	7.51E-03	52535.89	Q96DF8	1	1	1
309	G	Q96E20 (Q96E20) CD98L2 protein (Hypothetical protein)	3.63E-03	16612.17	Q96E20	1	1	1
310	L	Q96IV6 (Q96IV6) C5orf4 protein	4.48E-03	38976.07	Q96IV6	1	1	1
311	L	RSRC1_HUMAN (Q96IZ7) Arginine/serine-rich coiled coll	8.17E-03	38654.46	Q96IZ7	1	1	1
312	G	KCNH8_HUMAN (Q96L42) Potassium voltage-gated chan	3.90E-04	123754.3	Q96L42	1	1	1
313	H	Q96LU7 (Q96LU7) Hypothetical protein FLJ25056	7.45E-03	31208.16	Q96LU7	1	1	1
314	F	Q96MP4 (Q96MP4) Hypothetical protein FLJ32091	6.67E-03	81413.94	Q96MP4	1	1	1
315	H	Q96NI8 (Q96NI8) Hypothetical protein FLJ30791	4.72E-03	62289.69	Q96NI8	1	1	1
316	H	ZN285_HUMAN (Q96NJ3) Zinc finger protein 285	2.66E-03	50009.57	Q96NJ3	1	1	1
317	G	IPO9_HUMAN (Q96P70) Importin-9 (Imp9) (Ran-binding p	9.18E-03	115757.8	Q96P70	1	1	1
318	H	INP4A_HUMAN (Q96PE3) Type I inositol-3,4-bisphosphat	2.98E-04	109885.5	Q96PE3	1	1	1
319	G	UHRF2_HUMAN (Q96PU4) Ubiquitin-like containing PHD : 6	4.47E-03	89927.86	Q96PU4	1	1	1

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【表 6 - 1 0】

320	G	Q96QE0 (Q96QE0) Hypothetical protein DL8Q12	3.39E-03	23959.2	Q96QE0	1	1	1
321	H	PANX2_HUMAN (Q96RD6) Pannexin-2	7.29E-03	69434.98	Q96RD6	1	1	1
322	G	Q96RF2 (Q96RF2) WWOXdelta5-8	3.55E-03	35019.5	Q96RF2	1	1	1
323	L	LYST_HUMAN (Q99698) Lysosomal trafficking regulator (l	7.47E-03	428865.6	Q99698	1	1	1
324	H	SMO_HUMAN (Q99835) Smoothened homolog precursor	7.04E-05	86341.18	Q99835	1	1	1
325	L	Q99993 (Q99993) WJGSC:H_2G3A.1 protein	4.36E-03	60051.64	Q99993	1	1	1
326	L	OSR10_HUMAN (Q9BXB5) Oxysterol binding protein-relat	7.10E-03	83917.38	Q9BXB5	1	1	1
327	H	EMR3_HUMAN (Q9BY15) EGF-like module containing mu	6.97E-03	72545.69	Q9BY15	1	1	1
328	F	Q9BYJ0 (Q9BYJ0) Ksp37 (HBp17-related protein)	6.42E-04	24565.15	Q9BYJ0	1	1	1
329	G	OSR7_HUMAN (Q9BZF2) Oxysterol binding protein-relate	3.33E-04	95371.7	Q9BZF2	1	1	1
330	L	Q9BZH2 (Q9BZH2) False p73 target protein	2.66E-03	53043.29	Q9BZH2	1	1	1
331	I	PHAR1_HUMAN (Q9C0D0) Phosphatase and actin regul	2.72E-04	54573.55	Q9C0D0	1	1	1
332	G	Q9C0D4 (Q9C0D4) KIAA1729 protein (Fragment)	1.84E-03	113646.6	Q9C0D4	1	1	1
333	L	DDX24_HUMAN (Q9GZR7) ATP-dependent RNA helicase	7.26E-03	96271.52	Q9GZR7	1	1	1
334	L	Q9GZT6 (Q9GZT6) MDS011 (Hypothetical protein MDS02	4.53E-03	29453.17	Q9GZT6	1	1	1
335	H	Q9H0J7 (Q9H0J7) Hypothetical protein DKFZp434F0116	2.81E-04	53323.07	Q9H0J7	1	1	1
336	L	GHITM_HUMAN (Q9H3K2) Growth hormone inducible tra	4.28E-03	37180.59	Q9H3K2	1	1	1
337	H	Q9H3M9 (Q9H3M9) Homo sapiens (Fragment)	5.36E-03	39581.41	Q9H3M9	1	1	1
338	F	Q9H6E5 (Q9H6E5) Hypothetical protein FLJ22346	1.41E-03	81825.66	Q9H6E5	1	1	1
339	H	RANB3_HUMAN (Q9H6Z4) Ran-binding protein 3 (RanBP	3.82E-03	60173.32	Q9H6Z4	1	1	1
340	H	SMYD3_HUMAN (Q9H7B4) SET and MYND domain-conta	5.56E-03	49050.59	Q9H7B4	1	1	1
341	L	Q9H7C4 (Q9H7C4) Hypothetical protein FLJ21054	8.69E-03	17715.02	Q9H7C4	1	1	1
342	G	SYP2L_HUMAN (Q9H987) Synaptopodin 2-like protein	8.48E-03	102406.1	Q9H987	1	1	1
343	L	COG4_HUMAN (Q9H9E3) Conserved oligomeric Golgi co	9.55E-03	89038.48	Q9H9E3	1	1	1
344	G	UBP29_HUMAN (Q9HBJ7) Ubiquitin carboxyl-terminal hyd	1.22E-03	104090.1	Q9HBJ7	1	1	1
345	H	Q9HBY0 (Q9HBY0) Putative superoxide-generating NADP	4.96E-03	64893.13	Q9HBY0	1	1	1
346	F	SYTL2_HUMAN (Q9HCH5) Synaptotagmin-like protein 2 (l	8.61E-04	100734.4	Q9HCH5	1	1	1
347	F	Q9NR16 (Q9NR16) Scavenger receptor cysteine-rich type	6.17E-03	159159.5	Q9NR16	1	1	1
348	L	SPTN5_HUMAN (Q9NRC6) Spectrin beta chain, brain 4 (S	3.96E-04	416577.2	Q9NRC6	1	1	1
349	L	DC13_HUMAN (Q9NRP2) UPF0287 protein DC13	2.81E-03	9453.72	Q9NRP2	1	1	1
350	F	Q9NS87 (Q9NS87) Kinesin-like protein 2	4.45E-03	160060.4	Q9NS87	1	1	1
351	G	Q9NSN6 (Q9NSN6) Hypothetical protein DKFZp761O0115	6.58E-03	39970.1	Q9NSN6	1	1	1
352	H	EMIL3_HUMAN (Q9NT22) EMILIN-3 precursor (EMILIN-5)	3.69E-03	82595.73	Q9NT22	1	1	1
353	H	UGGG1_HUMAN (Q9NYU2) UDP-glucose:glycoprotein glt	3.83E-03	174866.5	Q9NYU2	1	1	1
354	H	T2R14_HUMAN (Q9NYV8) Taste receptor type 2 member	1.33E-03	36136.48	Q9NYV8	1	1	1
355	F	COMD9_HUMAN (Q9P000) COMM domain containing pro	4.29E-04	21904.53	Q9P000	1	1	1

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【表 6 - 1 1】

366	L	VPS18_HUMAN (Q9P253)	Vacuolar protein sorting 18 (hV 7.01E-03	110115.9	Q9P253	1	1	1	1
367	I	RRBP1_HUMAN (Q9P2E9)	Ribosome-binding protein 1 (F 4.24E-03	152380	Q9P2E9	1	1	1	1
368	G	SUCB1_HUMAN (Q9P2R7)	Succinyl-CoA ligase [ADP-forr 8.47E-03	50299.33	Q9P2R7	1	1	1	1
369	L	OPT_HUMAN (Q9UBM4)	Opticin precursor (Oculoglycan) 1.45E-03	37237.39	Q9UBM4	1	1	1	1
370	I	GT2D1_HUMAN (Q9UHL9)	General transcription factor (I- 4.56E-03	105990.8	Q9UHL9	1	1	1	1
371	G	Q9UI74 (Q9UI74)	PRO0245 7.12E-04	8075.004	Q9UI74	1	1	1	1
372	L	SPB13_HUMAN (Q9UIV8)	Serpin B13 (Hurpin) (HaCaT U ¹ 8.72E-04	44248.2	Q9UIV8	1	1	1	1
373	I	HOOK1_HUMAN (Q9UJC3)	Hook homolog 1 (h-hook1) (h 9.77E-03	84594.84	Q9UJC3	1	1	1	1
374	F	DKKL1_HUMAN (Q9UK85)	Dickkopf-like protein 1 precurs 1.36E-04	26990.23	Q9UK85	1	1	1	1
375	H	Q9ULI2 (Q9ULI2)	KIAA1238 protein (Fragment) 2.40E-03	45141.04	Q9ULI2	1	1	1	1
376	L	PADI3_HUMAN (Q9ULW8)	Protein-arginine deiminase typ 9.91E-04	74695.37	Q9ULW8	1	1	1	1
377	H	MLL4_HUMAN (Q9UMN6)	Myeloid/lymphoid or mixed-line: 9.43E-03	293327.3	Q9UMN6	1	1	1	1
378	I	PCDA7_HUMAN (Q9UN72)	Protocadherin alpha 7 precurs 3.78E-03	100802.9	Q9UN72	1	1	1	1
379	F	RHG26_HUMAN (Q9UNA1)	Rho-GTPase-activating protei 4.55E-03	92176.67	Q9UNA1	1	1	1	1
380	H	TF2AY_HUMAN (Q9UNN4)	TFIIA-alpha and beta-like fact 4.50E-03	52412.98	Q9UNN4	1	1	1	1
381	H	GPR34_HUMAN (Q9UPC5)	Probable G-protein coupled re 8.71E-03	43831.09	Q9UPC5	1	1	1	1
382	G	Q9UQ10 (Q9UQ10)	Dimeric dihydrodiol dehydrogenase (E 9.73E-03	36358.77	Q9UQ10	1	1	1	1
383	I	SHOC2_HUMAN (Q9UQ13)	Leucine-rich repeat protein S 3.26E-03	64847.64	Q9UQ13	1	1	1	1
384	F	ADIP_HUMAN (Q9Y2D8)	Atadin- and alpha-actinin-binding 2.87E-03	71191.48	Q9Y2D8	1	1	1	1
385	G	AT11B_HUMAN (Q9Y2G3)	Probable phospholipid-transpo 9.84E-03	134104.1	Q9Y2G3	1	1	1	1
386	F	PCDG7_HUMAN (Q9Y5G6)	Protocadherin gamma A7 pre- 2.96E-03	101659.2	Q9Y5G6	1	1	1	1
387	L	PCDA2_HUMAN (Q9Y5H9)	Protocadherin alpha 2 precurs 6.26E-03	102000.4	Q9Y5H9	1	1	1	1
388	G	Q9Y5S5 (Q9Y5S5)	DNA polymerase epsilon catalytic subu 9.10E-03	262846.1	Q9Y5S5	1	1	1	1
389	F	SO1B1_HUMAN (Q9Y6L6)	Solute carrier organic anion tra 1.51E-03	76398.98	Q9Y6L6	1	1	1	1

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【表 7 - 1】

表 7 網膜剥離症と診断された患者において特有の同定されたタンパク質 (5 患者、25 作動)

SEQUENT フィルター: $p \text{ prob} < 0.01$; X_{corr} 対 荷電状態: $[M+H]^+$ について 1.5, $[M+2H]^2+$ について 2.0, $[M+3H]^3+$ について 2.5; $DCn > 0.1$

	患者	参考	P (確率)	MW	アクセシ ション	(的中)	RD カウント 総 ID (25)	
1	CBDE	~~Protein C9orf126~~	2.50E-03	16609.49	Q4VC31	1	4	5
2	EBC	Keratin, type II	5.27E-07	54935.82	Q14533	1	3	5
3	CEA	Histone acetyltransferase	6.68E-04	92953.77	Q92831	1	3	4
4	AB	Cathepsin D precursor	3.66E-09	44523.66	P07339	1	2	4
5	BD	Peroxiorexin 1	1.57E-06	22096.28	Q06830	1	2	4
6	ECD	Nuclear pore complex protein Nup214	4.38E-03	213632.8	P35658	1	3	3
7	DEA	~~Protein C9orf126~~	5.60E-03	80652.9	Q8N103	1	3	3
8	EDC	Receptor interacting protein kinase 5	1.82E-03	70385.07	Q8N9R8	1	3	3
9	BE	Novel protein	2.01E-03	99957.35	Q5RK70	1	2	3
10	BD	Potassium voltage-gated channel subfamily A	2.74E-04	91277.53	Q5VVM6	1	2	3
11	E	~~Protein C9orf126~~	8.04E-04	56505.6	Q09470	1	1	3
12	D	~~Protein C9orf126~~	7.33E-05	51745.16	Q9BVA6	1	1	3
13	BE	KIAA0068 protein (Fragment)	2.65E-04	147040.6	Q14467	2	2	2
14	CE	Hypothetical protein FLJ12129	2.87E-03	63276.44	Q9H796	2	2	2
15	CE	HS1-associating protein X-1	2.63E-03	31601.06	Q00165	1	2	2
16	EA	Inositol polyphosphate 5-phosphatase	1.69E-04	138498.9	O15357	1	2	2
17	DE	DNA repair protein RAD51 homolog 3	3.18E-03	42162.89	O43502	1	2	2
18	CA	Ig lambda chain V region	4.35E-03	12372.02	P04211	1	2	2
19	BE	Keratin, type II	4.19E-05	59831.25	P04259	1	2	2
20	CA	Cation-independent mannose-6-phosphate receptor	5.66E-03	274097.6	P11717	1	2	2
21	CE	Macrophage scavenger receptor types I and II	7.76E-04	49730.82	P21757	1	2	2
22	CD	Matrin-3	3.80E-03	94564.67	P43243	1	2	2
23	CE	Voltage-dependent anion-selective channel protein 2	4.14E-04	38068.68	P45880	1	2	2
24	BE	FLJ00268 protein (Fragment)	2.78E-03	72805.3	Q6ZML5	1	2	2
25	CA	LAG1 longevity assurance homolog 2	1.46E-04	44847.38	Q96G23	1	2	2
26	CA	Serine/threonine-protein kinase	8.12E-03	134655.6	Q96J82	1	2	2
27	CD	Hypothetical protein FLJ13940	2.89E-03	27528.79	Q9H853	1	2	2
28	B	Adenylate kinase isoenzyme 2	1.02E-03	26329.73	P54819	2	1	2
29	C	DAX1_HUMAN (P51843) Nuclear receptor DB1 (Nuclear r	1.40E-03	51683.89	P51843	1	1	2
30	D	ZN473_HUMAN (Q8WTR7) Zinc finger protein 473 (Zinc fi	2.47E-03	100118.1	Q8WTR7	1	1	2
31	B	CP5F3_HUMAN (Q8UKF6) Cleavage and polyadenylation	1.14E-03	77436.22	Q8UKF6	1	1	2

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【表 7 - 2】

32	B	K2C5_HUMAN (P13647)	Keratin, type II cytoskeletal 5 (Cy 7.34E-08	62409.08	P13647	3	1	1
33	B	CAH1_HUMAN (P00915)	Carbonic anhydrase 1 (EC 4.2.1 8.52E-08	28721.34	P00915	2	1	1
34	A	KNG1_HUMAN (P01042)	Kininogen-1 precursor (Alpha-2- 2.12E-10	71900.1	P01042	2	1	1
35	B	K1C14_HUMAN (P02533)	Keratin, type I cytoskeletal 14 ((3.33E-06	51458.45	P02533	2	1	1
36	D	O00211 (O00211)	HSLK (Ser20-related serine/threonine 1 8.39E-03	138909.7	O00211	1	1	1
37	D	P3C2A_HUMAN (O00443)	Phosphatidylinositol-4-phosphate 7.07E-03	190616.2	O00443	1	1	1
38	B	~~SYN1_HUMAN (O00445)~~	~~Synaptobrevin-1 (Synaptobrevin 3.71E-03~~	~~42873.54~~	~~O00445~~	~~1~~	~~1~~	~~1~~
39	A	CHD2_HUMAN (O14647)	Chromodomain-helicase-DNA-b 7.04E-03	200437.6	O14647	1	1	1
40	C	MLL2_HUMAN (O14686)	Myeloid/lymphoid or mixed-lineage 8.21E-04	563835.8	O14686	1	1	1
41	E	O15042 (O15042)	Hypothetical protein KIAA0332 (U2-assi 7.16E-04	118087.4	O15042	1	1	1
42	B	SNPH_HUMAN (O15079)	Syntaxin	7.58E-03	57953.73	O15079	1	1
43	A	WDR46_HUMAN (O15213)	WD-repeat protein 46 (WD-rep 3.67E-03	67998.89	O15213	1	1	1
44	E	~~RAP1_HUMAN (O60229)~~	~~Huntingtin-associated protein 1 3.37E-03~~	~~192107.9~~	~~O60229~~	~~1~~	~~1~~	~~1~~
45	E	O60687 (O60687)	Sushi-repeat-containing protein, X-linke 4.07E-03	52937.79	O60687	1	1	1
46	D	ZC11A_HUMAN (O75152)	Zinc finger CCCH-type domain 4.33E-03	89076.06	O75152	1	1	1
47	C	O75198 (O75198)	CDC37-like gene	1.49E-03	26530.93	O75198	1	1
48	A	AVIL_HUMAN (O75366)	Avillin (p92)	8.01E-03	92028.35	O75366	1	1
49	C	MYCB2_HUMAN (O75592)	Probable ubiquitin ligase prote 7.36E-03	509842.3	O75592	1	1	1
50	A	CMC1_HUMAN (O75746)	Calcium-binding mitochondrial c 3.32E-03	74709.01	O75746	1	1	1
51	E	MFN2_HUMAN (O95140)	Transmembrane GTPase MFN2 4.18E-03	86346.95	O95140	1	1	1
52	B	G6PE_HUMAN (O95479)	GDH/G6PGL endoplasmic bifunct 3.69E-03	88822.63	O95479	1	1	1
53	D	HPTR_HUMAN (P00739)	Heptoglobin-related protein prec 5.05E-03	38982.66	P00739	1	1	1
54	A	CFAB_HUMAN (P00751)	Complement factor B precursor 1 2.24E-04	85478.58	P00751	1	1	1
55	A	ASSY_HUMAN (P00966)	Argininosuccinate synthase (EC 4.02E-03	46501.01	P00966	1	1	1
56	B	HRG_HUMAN (P04196)	Histidine-rich glycoprotein precu 5.94E-04	59540.94	P04196	1	1	1
57	A	CFAL_HUMAN (P05156)	Complement factor I precursor (E 2.93E-05	65676.66	P05156	1	1	1
58	D	ITB1_HUMAN (P05556)	Integrin beta-1 precursor (Fibron 7.50E-05	88406.98	P05556	1	1	1
59	A	KV2F_HUMAN (P06310)	Ig kappa chain V-II region RPMi 1.78E-06	14697.37	P06310	1	1	1
60	B	K1C16_HUMAN (P08779)	Keratin, type I cytoskeletal 16 ((1.08E-06	51105.21	P08779	1	1	1
61	E	TAU_HUMAN (P10636)	Microtubule-associated protein tau 7.47E-04	78698.83	P10636	1	1	1
62	D	PABP1_HUMAN (P11940)	Polyadenylate-binding protein 1 9.99E-03	70626.04	P11940	1	1	1
63	B	SCG2_HUMAN (P13521)	Secretogranin-2 precursor (Secr 6.93E-03	70825.11	P13521	1	1	1
64	C	UCHL3_HUMAN (P15374)	Ubiquitin carboxyl-terminal hyd 6.36E-03	26165.98	P15374	1	1	1
65	B	CBPE_HUMAN (P16870)	Carboxypeptidase E precursor (I 1.65E-06	53117.17	P16870	1	1	1
66	B	AATC_HUMAN (P17174)	Aspartate aminotransferase, cyti 9.28E-03	46087.54	P17174	1	1	1
67	B	A1ATR_HUMAN (P20848)	Alpha-1-antitrypsin-related prot 7.19E-03	47860.97	P20848	1	1	1
68	E	RAE2_HUMAN (P26374)	Rab proteins geranylgeranyltran 1.83E-03	74024.21	P26374	1	1	1

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【表 7 - 3】

69	B	<u>VGPR2_HUMAN (P35968)</u> Vascular endothelial growth factor	1.56E-03	151430.5	P35968	1	1	1
70	B	CH3L1_HUMAN (P36222) Chitinase-3-like protein 1 precursor	2.71E-06	42586.39	P36222	1	1	1
71	B	MAP1B_HUMAN (P46821) Microtubule-associated protein	5.22E-03	270451.8	P46821	1	1	1
72	B	PCY1A_HUMAN (P49585) Choline-phosphate cytidyltransferase	3.85E-03	41705.8	P49585	1	1	1
73	E	CEBPD_HUMAN (P49716) CCAAT/enhancer binding protein	6.61E-03	28461.45	P49716	1	1	1
74	D	CCR6_HUMAN (P51684) C-C chemokine receptor type 6	7.26E-03	42465.93	P51684	1	1	1
75	C	EPHA5_HUMAN (P54756) Ephrin type-A receptor 5 precursor	7.74E-03	114710.3	P54756	1	1	1
76	A	PSD4_HUMAN (P55036) 26S proteasome non-ATPase subunit	6.62E-04	40711.21	P55036	1	1	1
77	B	B2MG_HUMAN (P61769) Beta-2-microglobulin precursor	3.51E-07	13705.91	P61769	1	1	1
78	A	GBB1_HUMAN (P62873) Guanine nucleotide-binding protein G12 subunit	1.27E-03	37221.98	P62873	1	1	1
79	D	CXAR_HUMAN (P78310) Coxsackievirus and adenovirus receptor	1.03E-03	40004.39	P78310	1	1	1
80	A	GALT1_HUMAN (Q10472) Polypeptide N-acetylgalactosaminyltransferase 1	3.87E-03	64177.48	Q10472	1	1	1
81	B	PTN13_HUMAN (Q12923) Tyrosine-protein phosphatase, SH-PTPase	3.13E-05	276731.3	Q12923	1	1	1
82	C	<u>DIC1_HUMAN (Q12959)</u> Presynaptic protein SAP97	6.58E-03	100293.1	Q12959	1	1	1
83	A	AKAP6_HUMAN (Q13023) A-kinase anchor protein 6	1.63E-03	256503.6	Q13023	1	1	1
84	A	ATM_HUMAN (Q13315) Serine-threonine kinase ATM	4.51E-03	350417.1	Q13315	1	1	1
85	B	ROCK1_HUMAN (Q13464) Rho-associated protein kinase	1.42E-03	158074.9	Q13464	1	1	1
86	A	ENPP2_HUMAN (Q13822) Ectonucleotide pyrophosphatase	5.80E-10	98939.61	Q13822	1	1	1
87	D	SMC1A_HUMAN (Q14683) Structural maintenance of chromosomes	9.76E-04	143143.6	Q14683	1	1	1
88	C	NOLC1_HUMAN (Q14978) Nuclear phosphoprotein p13	1.80E-03	73676.72	Q14978	1	1	1
89	A	PLEC1_HUMAN (Q15149) Plectin 1	2.61E-04	531411.9	Q15149	1	1	1
90	E	K1H1_HUMAN (Q15323) Keratin, type I cuticular Ha1	1.36E-03	47202.1	Q15323	1	1	1
91	A	NCOA1_HUMAN (Q15788) Nuclear receptor coactivator 1	4.14E-04	156641.7	Q15788	1	1	1
92	A	Q15813 (Q15813) Beta-tubulin cofactor E	5.90E-03	59308.08	Q15813	1	1	1
93	A	SCN9A_HUMAN (Q15858) Sodium channel protein type 9	6.73E-03	226193.9	Q15858	1	1	1
94	B	Q495C9 (Q495C9) Hypothetical protein LOC149134	6.59E-03	13623.18	Q495C9	1	1	1
95	A	Q4G0M1 (Q4G0M1) FLJ37034 protein	6.80E-03	14453.34	Q4G0M1	1	1	1
96	D	Q567P4 (Q567P4) Hypothetical protein	2.58E-03	34603.27	Q567P4	1	1	1
97	A	LRC10_HUMAN (Q5BK11) Leucine-rich repeat-containing	9.03E-04	31621.81	Q5BK11	1	1	1
98	B	Q5H9K7 (Q5H9K7) Novel protein	6.32E-03	38685.59	Q5H9K7	1	1	1
99	D	Q5H8K8 (Q5H8K8) Armadillo repeat-containing, X-linked	7.72E-03	36484.3	Q5H8K8	1	1	1
100	C	Q5JRL1 (Q5JRL1) Novel protein	6.73E-03	30747.36	Q5JRL1	1	1	1
101	E	Q5T3B4 (Q5T3B4) OTTHUMP00000022702	4.05E-03	10194.1	Q5T3B4	1	1	1
102	C	Q5T3B9 (Q5T3B9) Novel protein	4.46E-03	45993.33	Q5T3B9	1	1	1
103	D	<u>Q5TBP2 (Q5TBP2)</u> Retinoblastoma-associated factor 60b	4.66E-03	106303.1	Q5TBP2	1	1	1
104	B	Q5VWL1 (Q5VWL1) Membrane-associated guanylate kinase	7.51E-03	162847.8	Q5VWL1	1	1	1
105	C	Q5XLJ0 (Q5XLJ0) AIDA1C transcript variant 4	9.99E-03	49400.84	Q5XLJ0	1	1	1

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【表 7 - 4】

106	E	Q6DN23 (Q6DN23) Platelet phospholipase A2	4.11E-03	16135.78	Q6DN23	1	1	1
107	C	Q6IAM5 (Q6IAM5) SLC27A6 protein	3.12E-03	70042.55	Q6IAM5	1	1	1
108	B	Q6JIC5 (Q6JIC5) Cementum attachment protein	9.87E-03	14910.42	Q6JIC5	1	1	1
109	A	Q6MZX7 (Q6MZX7) Hypothetical protein DKFZp686M242	1.00E-30	52387.13	Q6MZX7	1	1	1
110	D	Q6P2C5 (Q6P2C5) PHF2 protein	5.50E-03	35720.63	Q6P2C5	1	1	1
111	E	Q6P528 (Q6P528) ASPN protein	8.71E-03	43863.48	Q6P528	1	1	1
112	E	POTE2_HUMAN (Q6S8J3) Prostate, ovary, testis expressi	6.93E-03	80701.5	Q6S8J3	1	1	1
113	E	Q6UXZ8 (Q6UXZ8) FVSY9334	7.07E-04	24230.68	Q6UXZ8	1	1	1
114	A	Q6ZN08 (Q6ZN08) Hypothetical protein FLJ16537	4.37E-04	38813.18	Q6ZN08	1	1	1
115	D	Q6ZR14 (Q6ZR14) Hypothetical protein FLJ46736	8.79E-03	126662.9	Q6ZR14	1	1	1
116	E	Q6ZSK5 (Q6ZSK5) Hypothetical protein FLJ45433	6.04E-03	15222.69	Q6ZSK5	1	1	1
117	B	Q6ZSY5 (Q6ZSY5) Hypothetical protein FLJ45123	7.90E-03	42154.05	Q6ZSY5	1	1	1
118	A	Q6ZVQ3 (Q6ZVQ3) Hypothetical protein FLJ42220	1.14E-03	17595.21	Q6ZVQ3	1	1	1
119	D	Q6ZW49 (Q6ZW49) Hypothetical protein FLJ41605	3.89E-03	117615.6	Q6ZW49	1	1	1
120	C	Q70AK8 (Q70AK8) Ankyrin-repeat-ARM domain protein (F	8.67E-04	40496.33	Q70AK8	1	1	1
121	A	Q70CQ2 (Q70CQ2) Ubiquitin-specific proteinase 34	9.41E-03	386873.7	Q70CQ2	1	1	1
122	C	Q76E79 (Q76E79) Mitochondrial methionyl-tRNA synthet	2.95E-03	66584.84	Q76E79	1	1	1
123	C	Q7L7Q2 (Q7L7Q2) BLOM7 beta (Novel protein)	1.49E-04	59101.39	Q7L7Q2	1	1	1
124	D	Q7Z3P5 (Q7Z3P5) Hypothetical protein DKFZp686P1321	5.90E-04	30940.46	Q7Z3P5	1	1	1
125	A	NPHP3_HUMAN (Q7Z494) Nephrocystin-3	5.74E-03	150768.9	Q7Z494	1	1	1
126	E	Q86VG6 (Q86VG6) Hypothetical protein	3.43E-03	11523.95	Q86VG6	1	1	1
127	C	TXND2_HUMAN (Q86VQ3) Thioredoxin domain-containing	7.89E-04	60424.09	Q86VQ3	1	1	1
128	D	NAL14_HUMAN (Q86W24) NACHT-, LRR- and PYD-containi	1.88E-03	124651.5	Q86W24	1	1	1
129	E	Q86WW8 (Q86WW8) Hypothetical protein MGC52110 (h)	4.58E-03	8370.071	Q86WW8	1	1	1
130	D	Q86Y92 (Q86Y92) Similar to KIAA0922 protein (Fragment)	2.24E-03	154618.6	Q86Y92	1	1	1
131	D	Q8IV73 (Q8IV73) Guanine nucleotide-releasing factor 2, is	3.40E-03	122658.6	Q8IV73	1	1	1
132	B	Q8IVL1 (Q8IVL1) Steerin2 protein	2.98E-03	267950.3	Q8IVL1	1	1	1
133	B	Q8IVM4 (Q8IVM4) Hypothetical protein	8.10E-03	6014.08	Q8IVM4	1	1	1
134	A	FA20C_HUMAN (Q8IXL6) Protein FAM20C precursor	5.31E-03	64405.57	Q8IXL6	1	1	1
135	E	Q8IY66 (Q8IY66) DNA ligase IV (Ligase IV, DNA, ATP-def	7.76E-03	103904	Q8IY66	1	1	1
136	D	GP115_HUMAN (Q8IZF3) Probable G-protein coupled rec	5.14E-04	83775.66	Q8IZF3	1	1	1
137	B	Q8IZQ1 (Q8IZQ1) ALFY	6.15E-03	394992	Q8IZQ1	1	1	1
138	D	AH11_HUMAN (Q8N157) Joubertin (Abelson helper integra	2.76E-03	137029	Q8N157	1	1	1
139	C	Q8N1K5 (Q8N1K5) Hypothetical protein FLJ40584	5.82E-03	73625.31	Q8N1K5	1	1	1
140	D	Q8N3I3 (Q8N3I3) Hypothetical protein DKFZp761P18121	3.18E-03	81550.7	Q8N3I3	1	1	1
141	A	Q8N543 (Q8N543) Hypothetical protein FLJ10826	1.90E-03	63206.21	Q8N543	1	1	1
142	A	Q8N998 (Q8N998) Hypothetical protein FLJ38159	7.01E-03	43781.59	Q8N998	1	1	1

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【表 7 - 5】

143	D	Q8N9S2 (Q8N9S2) Hypothetical protein FLJ36635	5.25E-03	28973.04	Q8N9S2	1	1	1
144	E	Q8NAJ6 (Q8NAJ6) Hypothetical protein FLJ35251	1.24E-03	81745.5	Q8NAJ6	1	1	1
145	A	Q8NCU4 (Q8NCU4) Hypothetical protein	9.83E-03	110489	Q8NCU4	1	1	1
146	E	Q8NDA2 (Q8NDA2) Hypothetical protein DKFZp434P0216	7.52E-04	143799.3	Q8NDA2	1	1	1
147	A	Q8TAN9 (Q8TAN9) Oxoglutarate dehydrogenase-like	6.91E-03	114423.7	Q8TAN9	1	1	1
148	E	Q8TBB5 (Q8TBB5) Kelch domain containing 4	1.01E-03	57855.43	Q8TBB5	1	1	1
149	E	Q8TBZ0 (Q8TBZ0) Hypothetical protein KIM-HN-1	6.67E-04	96864.98	Q8TBZ0	1	1	1
150	B	Q8TC05 (Q8TC05) Mdm4, transformed 3T3 cell double mli	5.19E-03	80695.09	Q8TC05	1	1	1
151	B	CHD6_HUMAN (Q8TD26) Chromodomain-helicase-DNA-t	6.52E-03	305218.9	Q8TD26	1	1	1
152	B	PAR3L_HUMAN (Q8TEW8) Amyotrophic lateral sclerosis	9.52E-03	132412.5	Q8TEW8	1	1	1
153	E	Q8WVY7 (Q8WVY7) Ubiquitin-like domain containing CTL	8.32E-04	36781.22	Q8WVY7	1	1	1
154	A	ANKR7_HUMAN (Q8Z527) Ankyrin repeat domain protein	8.25E-03	22573.66	Q8Z527	1	1	1
155	E	Q92735 (Q92735) FMI protein	4.05E-03	161492.6	Q92735	1	1	1
156	C	SNPC3_HUMAN (Q8Z986) snRNA-activating protein cont	9.07E-03	46722.65	Q9Z986	1	1	1
157	A	IRF7_HUMAN (Q9Z985) Interferon regulatory factor 7 (IRF	7.33E-04	54244.25	Q9Z985	1	1	1
158	D	Q96AG4 (Q96AG4) Hypothetical protein PRO1855	9.06E-03	34908.9	Q96AG4	1	1	1
159	A	ISG20_HUMAN (Q96AZ6) Interferon-stimulated gene 20 k	9.06E-05	20350.62	Q96AZ6	1	1	1
160	C	GMCL1_HUMAN (Q96IK5) Germ cell-less protein-like 1	7.74E-03	58647.47	Q96IK5	1	1	1
161	A	KAD7_HUMAN (Q96M32) Putative adenylate kinase 7 (EC	9.64E-03	82620.65	Q96M32	1	1	1
162	A	DB118_HUMAN (Q96PH6) Beta-defensin 118 precursor (E	5.68E-03	13604.79	Q96PH6	1	1	1
163	D	VPS35_HUMAN (Q96QK1) Vacuolar protein sorting 35 (Vt	4.26E-03	91649.07	Q96QK1	1	1	1
164	E	MAG11_HUMAN (Q96QZ7) Membrane associated guanyla	7.80E-03	164540.2	Q96QZ7	1	1	1
165	D	MCCA_HUMAN (Q96RQ3) Methylenetetrahydrofolate-CoA	3.52E-03	80382.04	Q96RQ3	1	1	1
166	E	NIBL_HUMAN (Q96TA1) Niban-like protein (Meg-3)	6.21E-03	82631.11	Q96TA1	1	1	1
167	C	SPS2_HUMAN (Q96611) Selenide, water dikinase 2 (EC 2	2.61E-03	47227.85	Q96611	1	1	1
168	D	KIF2C_HUMAN (Q96611) Kinesin-like protein KIF2C (Mito	5.02E-03	81261.21	Q96611	1	1	1
169	E	CLP24_HUMAN (Q9BSN7) Claudin-like protein 24	2.48E-03	24523.55	Q9BSN7	1	1	1
170	E	DATF1_HUMAN (Q9BTC0) Death-associated transcription	7.61E-03	129070.5	Q9BTC0	1	1	1
171	E	CHST6_HUMAN (Q9GZX3) Carbohydrate sulfotransferase	5.32E-03	44071.2	Q9GZX3	1	1	1
172	C	TNKS2_HUMAN (Q9H2K2) Tankyrase 2 (EC 2.4.2.30) (T	1.90E-05	126838.5	Q9H2K2	1	1	1
173	C	Q9H2M8 (Q9H2M8) DC28	8.59E-03	64005.01	Q9H2M8	1	1	1
174	E	SMRCD_HUMAN (Q9H4L7) SWI/SNF-related, matrix asse	7.44E-03	117299.9	Q9H4L7	1	1	1
175	C	Q9H9B0 (Q9H9B0) Hypothetical protein FLJ12883	9.96E-03	91169.25	Q9H9B0	1	1	1
176	A	Q9H9B6 (Q9H9B6) Hypothetical protein FLJ12873	4.63E-03	71307.3	Q9H9B6	1	1	1
177	D	LPHN3_HUMAN (Q9HAR2) Latrophilin-3 precursor (Calcil	9.90E-03	161709.3	Q9HAR2	1	1	1
178	A	MAGE1_HUMAN (Q9HC15) Melanoma-associated antigen	6.56E-03	103189.7	Q9HC15	1	1	1
179	D	OLF3_HUMAN (Q9NRN5) Olfactomedin-like protein 3 pre	1.86E-03	45981.32	Q9NRN5	1	1	1

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【表 7 - 6】

180	D	TB22B_HUMAN (Q8NU19)	TBC1 domain family member 2	3.31E-03	59044.32	Q8NU19	1	1	1	1
181	B	CT038_HUMAN (Q8NUV7)	Protein C20orf38	7.71E-03	19679.8	Q8NUV7	1	1	1	1
182	A	Q8NXC3 (Q8NXC3)	Hypothetical protein FLJ20296	8.80E-04	26243.39	Q8NXC3	1	1	1	1
183	E	THUM1_HUMAN (Q8NXG2)	THUMP domain containing pr	7.48E-03	39290.82	Q8NXG2	1	1	1	1
184	B	TE2IP_HUMAN (Q8NYB0)	Telomeric repeat binding factor	1.44E-03	44232.88	Q8NYB0	1	1	1	1
185	E	ZN226_HUMAN (Q8NYT6)	Zinc finger protein 226	4.95E-03	91861.71	Q8NYT6	1	1	1	1
186	A	GSCR1_HUMAN (Q8NZM4)	Glioma tumor suppressor can	6.54E-03	152898.4	Q8NZM4	1	1	1	1
187	B	HCN3_HUMAN (Q8P1Z3)	Potassium/sodium hyperpolariz	5.36E-03	85977.23	Q8P1Z3	1	1	1	1
188	A	CEP72_HUMAN (Q8P209)	Centrosomal protein of 72 kDa	1.96E-03	71673.01	Q8P209	1	1	1	1
189	A	CING_HUMAN (Q8P2M7)	Cingulin	5.06E-03	136303.7	Q8P2M7	1	1	1	1
190	D	SL9A2_HUMAN (Q8UBY0)	Sodium/hydrogen exchanger 2	6.23E-04	91461.34	Q8UBY0	1	1	1	1
191	E	Q9UJU1 (Q9UJU1)	Cytofollin 2 (Fragment)	8.20E-03	16251.62	Q9UJU1	1	1	1	1
192	C	STML2_HUMAN (Q9UJZ1)	Stomatin-like protein 2 (SLP-2)	2.48E-03	38510.22	Q9UJZ1	1	1	1	1
193	C	MYH13_HUMAN (Q8UKX3)	Myosin-13 (Myosin heavy cha	5.60E-03	223538.2	Q8UKX3	1	1	1	1
194	D	TTC7A_HUMAN (Q9ULT0)	Tetralricopeptide repeat protei	6.23E-03	98123.27	Q9ULT0	1	1	1	1
195	E	ALK_HUMAN (Q8UM73)	ALK tyrosine kinase receptor pre	9.57E-03	176304.4	Q8UM73	1	1	1	1
196	D	ICAM5_HUMAN (Q8UMF0)	Intercellular adhesion molecul	2.21E-03	97270.1	Q8UMF0	1	1	1	1
197	C	SOX13_HUMAN (Q8UN79)	SOX-13 protein (Type 1 diabel	7.41E-03	98718.72	Q8UN79	1	1	1	1
198	E	CNTN6_HUMAN (Q9UQ52)	Contactin 6 precursor (Neural	5.55E-03	113885.1	Q9UQ52	1	1	1	1
199	A	NALDL_HUMAN (Q9UQQ1)	N-acetylated-alpha-linked aci	1.21E-03	80574.27	Q9UQQ1	1	1	1	1
200	D	CG141_HUMAN (Q8Y3E0)	UPF0198 protein CGI-141	5.94E-05	15415.4	Q8Y3E0	1	1	1	1
201	D	ZN337_HUMAN (Q8Y3M9)	Zinc finger protein 337	4.48E-03	88819.26	Q8Y3M9	1	1	1	1
202	C	TLN1_HUMAN (Q8Y490)	Talin-1	3.76E-03	289596.3	Q8Y490	1	1	1	1
203	C	PCDGB_HUMAN (Q8Y5H2)	Protocadherin gamma A11 pr	9.51E-03	101480.6	Q8Y5H2	1	1	1	1
204	A	WIF1_HUMAN (Q8Y5W5)	Wnt inhibitory factor 1 precurs	5.15E-03	41499.8	Q8Y5W5	1	1	1	1
205	B	S12A7_HUMAN (Q8Y666)	Solute carrier family 12 membe	1.59E-04	119072.7	Q8Y666	1	1	1	1
206	D	SNCAP_HUMAN (Q8Y6H5)	Synphilin-1 (Alpha-synuclein-i	5.97E-03	100319	Q8Y6H5	1	1	1	1

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【表 7 - 7】

表 7 (続き)

タンパク質	部位	機能
LOC131076 タンパク質	未知	機能未知, コイルドコイルドドメイン
T細胞活性化 Rho GTPase -活性化タンパク質	細胞質	GTPase 活性化因子, T細胞活性化
ハンチントン相互作用タンパク質E	細胞質	シグナル伝達
シナプトタグミン-6 (シナプトタグミンV) (SytV)	シナプス	カルシウム依存性エキソサイトーシス
ハンチントン関連タンパク質相互作用タンパク質	細胞質	シグナル伝達
VGFR2 血管内皮成長因子受容体2前駆体	膜	新脈管形成, 血管透過性
シナプス前タンパク質 SAP97 (シナプス関連タンパク質97)	細胞骨格	足場タンパク質
網膜芽細胞腫関連因子600 (RBAF600) (フラグメント)	核	クロマチンリモデリングの可能性

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表 8

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【 表 8 - 1 】

黄斑孔と診断された患者において特有の同定されたタンパク質 (5 患者、研究のため 5 pts x 5 作動 = 全 25 作動)

SEQUEST フィルター: $p \text{ prob} < 0.01$; Xcorr 対 荷電状態: [M+H]¹⁺について 1.5.

[M+2H]²⁺について 2.0, [M+3H]³⁺について 2.5; DCn>0.1

病理	患者	参考	P (確率)	MW	アクセツ ション	ペプチド (的中)	MH カウント 総 I D
1	MH	ILH	Protein KIAA1683	2.65E-04	127611.8	Q9H0B3	1 3 9
2	MH	FH	Apolipoprotein A-IV precursor	4.69E-12	45343.52	P06727	3 2 5
3	MH	HF	KIAA0425 protein	2.12E-04	141056.5	O43308	1 2 5
4	MH	LH	MYH7B protein	5.17E-04	114574.5	Q96157	1 2 5
5	MH	GI	Sorlin-related receptor precursor	2.94E-04	248280	Q92873	1 2 4
6	MH	G	Ig kappa chain V-II region	4.45E-07	12688.32	P01614	1 1 4
7	MH	G	Ig kappa chain V-II region MIL	4.45E-07	12048.05	P01616	1 1 4
8	MH	F	Piccolo protein (Aczonin)	4.86E-04	566313.1	Q9Y6V0	1 1 4
9	MH	FGH	Alpha-1B-glycoprotein precursor	1.32E-09	54238.7	P04217	1 3 3
10	MH	LH	Neutrophil membrane glycoprotein M6a	4.39E-03	31188.39	P51674	1 3 3
11	MH	L	Nuclear pore complex protein Nup153	5.51E-03	153793.4	P49790	1 1 3
12	MH	H	Secreted frizzled-related protein 3 precursor	5.30E-06	36230.29	Q92765	1 1 3
13	MH	IL	A-kinase anchor protein 3	2.47E-05	94676.41	O75969	1 2 2
14	MH	GI	Telomeric repeat binding factor 1	2.43E-03	50313.11	P54274	1 2 2
15	MH	IH	Kinesin-like protein KIAA1683	3.48E-03	180963.1	Q12756	1 2 2
16	MH	IL	UDP-N-acetylhexosamine pyrophosphorylase	2.88E-03	58731.98	Q16222	1 2 2
17	MH	LH	RIF1_HUMAN (Q5UIP0) Telomere-associated protein 1	2.56E-03	274293	Q5UIP0	1 2 2
18	MH	GH	Q6P4H8 (Q6P4H8) Hypothetical protein LOC134145	3.97E-03	26123.47	Q6P4H8	1 2 2
19	MH	HL	Q8IV47 (Q8IV47) Fibromodulin	6.22E-04	43151.57	Q8IV47	1 2 2
20	MH	LG	Q8N9V7 (Q8N9V7) Hypothetical protein FLJ36157	6.30E-04	77526.28	Q8N9V7	1 2 2
21	MH	HG	LIPB2_HUMAN (Q8ND30) Liprin-beta 2 (Protein tyrosin	3.34E-03	98383.37	Q8ND30	1 2 2
22	MH	GF	SYNE1_HUMAN (Q8NF91) Nesprin-1 (Nuclear envelo	1.60E-03	1010433	Q8NF91	1 2 2
23	MH	LH	K1848_HUMAN (Q96JH8) Protein KIAA1849	6.35E-03	116630	Q96JH8	1 2 2
24	MH	LH	GGA2_HUMAN (Q9UJY4) ADP-ribosylation factor bind	3.44E-03	67133.75	Q9UJY4	1 2 2

【表 8 - 2】

25	MH	HL	Q9ULH9 (Q9ULH9) KIAA1241 protein (Fragment)	1.73E-05	97158.45	Q9ULH9	1	2	2
26	MH	LH	CT004_HUMAN (Q9Y312) Protein C20orf4	5.11E-03	43444.13	Q9Y312	1	2	2
27	MH	GF	KIF3A_HUMAN (Q9Y496) Kinesin-like protein KIF3A (A 8.14E-04	80335.11	Q9Y496	1	1	2	2
28	MH	I	~~CAGIG_HUMAN (Q93497) Voltage-dependent type 2.51E-03~~	262301.1	Q43497	1	1	1	2
29	MH	I	GLU2B_HUMAN (P14314) Glucosidase II beta subunit	1.97E-03	59258.88	P14314	1	1	2
30	MH	F	HBBG1_HUMAN (P69891) Hemoglobin gamma-1 subun	8.59E-03	15999.27	P69891	1	1	2
31	MH	F	APXL_HUMAN (Q13796) Apical-like protein (APXL pro'	1.55E-03	176302	Q13796	1	1	2
32	MH	I	UBP10_HUMAN (Q14694) Ubiquitin carboxyl-terminal	1.05E-03	87079.84	Q14694	1	1	2
33	MH	I	Q15394 (Q15394) KIAA0005 protein (Fragment)	6.56E-04	48615.16	Q15394	1	1	2
34	MH	I	Q4V9L7 (Q4V9L7) NGRN protein (Fragment)	4.36E-03	31332.13	Q4V9L7	1	1	2
35	MH	I	Q53SW1 (Q53SW1) Hypothetical protein FLJ20254	2.53E-03	48539.34	Q53SW1	1	1	2
36	MH	H	Q5BLQ2 (Q5BLQ2) Mucin	5.22E-03	289658.2	Q5BLQ2	1	1	2
37	MH	F	Q5JRC3 (Q5JRC3) RPEL repeat containing 1 (Fragme	4.33E-03	25543.2	Q5JRC3	1	1	2
38	MH	F	Q5T2J8 (Q5T2J8) OTTHUMP0000018139 (Fragment	1.44E-03	97147.08	Q5T2J8	1	1	2
39	MH	G	Q65ZC8 (Q65ZC8) Single-chain Fv (Fragment)	3.05E-05	26110.55	Q65ZC8	1	1	2
40	MH	I	VPS36_HUMAN (Q86VN1) Vacuolar protein sorting prc	1.09E-03	43788.79	Q86VN1	1	1	2
41	MH	I	~~RYR2_HUMAN (Q92736) Ryanodine receptor 2 (Cardi~~	6.98E-03	584136.1	Q92736	1	1	2
42	MH	I	TOP1M_HUMAN (Q96P6) DNA topoisomerase I, mitc	5.03E-03	69828.34	Q96P6	1	1	2
43	MH	F	Q96EK0 (Q96EK0) Hypothetical protein MGC4655	1.44E-03	41865.86	Q96EK0	1	1	2
44	MH	F	Q9BRQ8 (Q9BRQ8) Apoptosis-inducing factor (AIF)-lik	2.48E-03	40501.28	Q9BRQ8	1	1	2
45	MH	I	Q9BS34 (Q9BS34) Zinc finger protein 670 (Hypothe	7.16E-03	44574.27	Q9BS34	1	1	2
46	MH	I	PLEA5_HUMAN (Q9HAU0) Pleckstrin homology domai	3.50E-03	127384.5	Q9HAU0	1	1	2
47	MH	H	Q5VXU2 (Q5VXU2) Propionyl Coenzyme A carboxylas	1.34E-04	80235.37	Q5VXU2	2	1	1
48	MH	G	SGK1_HUMAN (O00141) Serine/threonine-protein kina	1.08E-03	48925.35	O00141	1	1	1
49	MH	F	O14913 (O14913) Kruppel-associated box protein	2.39E-03	52045.66	O14913	1	1	1
50	MH	G	HAT1_HUMAN (O14929) Histone acetyltransferase typ	1.43E-03	49480.84	O14929	1	1	1
51	MH	F	O15014 (O15014) KIAA0295 protein (Fragment)	2.79E-03	106382.5	O15014	1	1	1
52	MH	L	PDZK3_HUMAN (O15018) PDZ domain containing pro'	2.91E-03	301423.4	O15018	1	1	1
53	MH	F	DMN_HUMAN (O15061) Desmuslin	2.87E-03	172662.5	O15061	1	1	1

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【表 8 - 3】

54	MH	G	SOX12_HUMAN (O16370) SOX-12 protein (SOX-22)	1.92E-03	34279.67	O15370	1	1	1
55	MH	F	O43719 (O43719) HIV TAT specific factor 1	2.48E-03	85800.38	O43719	1	1	1
56	MH	F	KPRB_HUMAN (O60256) Phosphoribosyl pyrophospha	3.63E-05	40899.39	O60256	1	1	1
57	MH	H	LSD1_HUMAN (O60341) Lysine-specific histone deme	2.99E-04	92844.88	O60341	1	1	1
58	MH	L	EZD6_HUMAN (O60353) Ezrin-like protein (Ezrin)	1.13E-03	79222.06	O60353	1	1	1
59	MH	H	O60826 (O60826) JM1 protein (Hypothetical protein CC	2.74E-03	70712.32	O60826	1	1	1
60	MH	G	GAS7_HUMAN (O60861) Growth-arrest-specific protein	3.84E-04	47236.75	O60861	1	1	1
61	MH	L	O75179 (O75179) KIAA0697 protein (Fragment)	1.34E-03	263079.2	O75179	1	1	1
62	MH	F	PRPU_HUMAN (O94906) U5 snRNP-associated 102 k	8.74E-03	106857.9	O94906	1	1	1
63	MH	F	SLIK3_HUMAN (O94933) SLIT and NTRK-like protein ;	9.29E-03	108937.1	O94933	1	1	1
64	MH	L	O95285 (O95285) Erythroblast macrophage protein EM	8.16E-03	43879.31	O95285	1	1	1
65	MH	F	FMNL_HUMAN (O95466) Formin-like 1 protein (Formir	9.19E-03	121750.9	O95466	1	1	1
66	MH	H	HPT_HUMAN (P00738) Haptoglobin precursor [Contair	2.71E-05	45176.59	P00738	1	1	1
67	MH	G	KV2B_HUMAN (P01615) Ig kappa chain V-II region FR	5.81E-04	12651.75	P01615	1	1	1
68	MH	I	CO3A1_HUMAN (P02461) Collagen alpha 1(III) chain f	4.25E-03	138470.2	P02461	1	1	1
69	MH	F	FIBG_HUMAN (P02679) Fibrinogen gamma chain prec	1.61E-04	51478.88	P02679	1	1	1
70	MH	H	CRP_HUMAN (P02741) C-reactive protein precursor [C	9.82E-03	25022.68	P02741	1	1	1
71	MH	I	AMBP_HUMAN (P02760) AMBP protein precursor [Cor	1.37E-04	38973.99	P02760	1	1	1
72	MH	F	CSF1R_HUMAN (P07333) Macrophage colony-stimula	8.66E-03	107915.2	P07333	1	1	1
73	MH	F	RET_HUMAN (P07949) Proto-oncogene tyrosine-prote	4.41E-03	124239.4	P07949	1	1	1
74	MH	L	RARA_HUMAN (P10276) Retinoic acid receptor alpha	5.40E-04	50738.42	P10276	1	1	1
75	MH	H	C1TC_HUMAN (P11586) C-1-tetrahydrofolate synthase	2.60E-03	101364.5	P11586	1	1	1
76	MH	L	CSPG2_HUMAN (P13611) Versican core protein precu	7.15E-06	372589	P13611	1	1	1
77	MH	L	K1C13_HUMAN (P13646) Keratin, type I cytoskeletal	4.22E-03	49555.45	P13646	1	1	1
78	MH	H	NEBU_HUMAN (P20928) Nebulin	7.84E-04	772742.8	P20928	1	1	1
79	MH	F	PRDX2_HUMAN (P32119) Peroxiredoxin 2 (EC 1.11.1.	9.46E-03	21747.2	P32119	1	1	1
80	MH	G	MYH11_HUMAN (P35749) Myosin-11 (Myosin heavy cl	2.94E-03	227197.9	P35749	1	1	1
81	MH	G	BRCA1_HUMAN (P38398) Breast cancer type 1 suscep	9.37E-03	207590.9	P38398	1	1	1
82	MH	L	RL13A_HUMAN (P40429) 60S ribosomal protein L13a	9.48E-03	23431.35	P40429	1	1	1

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【表 8 - 4】

83	MIH	I	STAT1_HUMAN (P42224) Signal transducer and activator of transcription 1	7.68E-03	87279.63	P42224	1	1	1
84	MIH	H	RHG25_HUMAN (P42331) Rho-GTPase-activating protein 2	8.14E-03	72385.19	P42331	1	1	1
85	MIH	F	AFAM_HUMAN (P43652) Afamin precursor (Alpha-1B-glycoprotein)	8.12E-05	69024.09	P43652	1	1	1
86	MIH	H	RBP2_HUMAN (P49792) Ran-binding protein 2 (RanBP2)	3.16E-03	357991.4	P49792	1	1	1
87	MIH	F	DPOG1_HUMAN (P54098) DNA polymerase gamma 1	3.35E-03	139473.4	P54098	1	1	1
88	MIH	H	ELL_HUMAN (P55199) RNA polymerase II elongation factor 1	5.19E-03	68222.91	P55199	1	1	1
89	MIH	G	CAD12_HUMAN (P55289) Brain-cadherin precursor (B-cadherin)	1.52E-03	88219.76	P55289	1	1	1
90	MIH	H	KR102_HUMAN (P60368) Keratin-associated protein 1	1.72E-03	25595.75	P60368	1	1	1
91	MIH	L	RT21_HUMAN (P82921) Mitochondrial 28S ribosomal protein L24	2.34E-03	10734.48	P82921	1	1	1
92	MIH	I	NSBP1_HUMAN (P82970) Nucleosomal binding protein 1	1.93E-03	31505.95	P82970	1	1	1
93	MIH	G	SCN7A_HUMAN (Q01118) Sodium channel protein type 7A subunit alpha	1.56E-03	193345	Q01118	1	1	1
94	MIH	I	BDH_HUMAN (Q02338) D-beta-hydroxybutyrate dehydrogenase	5.68E-03	38132.47	Q02338	1	1	1
95	MIH	L	CK013_HUMAN (Q02833) Protein C11orf13 (HRAS1-1)	3.17E-03	39920.6	Q02833	1	1	1
96	MIH	L	BPA1_HUMAN (Q03001) Bullous pemphigoid antigen 1	7.39E-03	371976.9	Q03001	1	1	1
97	MIH	F	ATP7A_HUMAN (Q04656) Copper-transporting ATPase	3.35E-03	163230	Q04656	1	1	1
98	MIH	L	APLP2_HUMAN (Q06481) Amyloid-like protein 2 precursor	1.03E-09	86900.28	Q06481	1	1	1
99	MIH	L	TRDN_HUMAN (Q13061) Triadin	6.20E-03	81374.51	Q13061	1	1	1
100	MIH	F	CSN1_HUMAN (Q13098) COP9 signalosome complex subunit 1	7.31E-03	53338.1	Q13098	1	1	1
101	MIH	H	NOG2_HUMAN (Q13823) Nucleolar GTP-binding protein 2	9.59E-03	83603.43	Q13823	1	1	1
102	MIH	H	Q14159 (Q14159) KIAA0146 protein (Fragment)	1.44E-03	100592.3	Q14159	1	1	1
103	MIH	I	BMS1_HUMAN (Q14692) Ribosome biogenesis protein 1	3.76E-03	145715.5	Q14692	1	1	1
104	MIH	L	2A5D_HUMAN (Q14738) Serine/threonine protein phosphatase 2A	2.98E-03	69947.5	Q14738	1	1	1
105	MIH	F	RBP5_HUMAN (Q15291) Reticuloblastoma-binding protein 5	9.99E-03	59044.69	Q15291	1	1	1
106	MIH	F	CDC37_HUMAN (Q16543) Hsp90 co-chaperone Cdc37	8.92E-03	44440.05	Q16543	1	1	1
107	MIH	H	Q49AA0 (Q49AA0) ZNF642 protein	5.50E-03	61112.29	Q49AA0	1	1	1
108	MIH	G	Q4VC44 (Q4VC44) FLYWCH-type zinc finger 1, isoform 1	1.11E-03	79985.74	Q4VC44	1	1	1
109	MIH	L	Q4VXM4 (Q4VXM4) Chromosome 20 open reading frame 4	2.21E-03	114932.5	Q4VXM4	1	1	1
110	MIH	F	Q53EU6 (Q53EU6) Hypothetical protein (Fragment)	9.80E-04	48673.52	Q53EU6	1	1	1
111	MIH	L	Q53RG2 (Q53RG2) Hypothetical protein CHRG	4.34E-03	58259.47	Q53RG2	1	1	1

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【表 8 - 5】

112	MH	L	Q562E5 (Q562E5) KIAA0194 protein (Fragment)	3.73E-04	157553.1	Q562E5	1	1	1
113	MH	G	Q59F19 (Q59F19) Ribosomal protein L12 variant (Fragm	6.72E-03	21469.49	Q59F19	1	1	1
114	MH	H	Q5JPU1 (Q5JPU1) Pyruvate dehydrogenase (Lipoamid	3.07E-03	22743.74	Q5JPU1	1	1	1
115	MH	L	Q5JTH6 (Q5JTH6) Exosomal core protein CSL4	5.99E-04	18804.54	Q5JTH6	1	1	1
116	MH	L	Q5JX69 (Q5JX69) OTTHUMP000000031352	8.08E-03	19485.96	Q5JX69	1	1	1
117	MH	G	Q5T1J6 (Q5T1J6) OTTHUMP000000030508	4.35E-03	17161.46	Q5T1J6	1	1	1
118	MH	H	Q5TDG2 (Q5TDG2) Hydroxy-delta-5-steroid dehydroge	2.32E-03	42427.11	Q5TDG2	1	1	1
119	MH	L	Q5TYW1 (Q5TYW1) Novel protein (Fragment)	4.42E-03	97254.69	Q5TYW1	1	1	1
120	MH	G	Q5VXI2 (Q5VXI2) Myosin IIIA	7.99E-03	22191.69	Q5VXI2	1	1	1
121	MH	H	Q5VYM8 (Q5VYM8) Unc-13 homolog B (C. elegans)	2.31E-03	180563.2	Q5VYM8	1	1	1
122	MH	I	Q5XPV5 (Q5XPV5) Sjogren syndrome antigen A1	5.68E-04	54089.2	Q5XPV5	1	1	1
123	MH	F	Q63HP7 (Q63HP7) Hypothetical protein DKFZp686P15	5.39E-03	65621.97	Q63HP7	1	1	1
124	MH	H	Q659F3 (Q659F3) Hypothetical protein DKFZp434J194	4.86E-03	14956.27	Q659F3	1	1	1
125	MH	F	CEP4_HUMAN (Q66GS9) Centrosomal protein 4 (Cent	9.02E-04	133421.9	Q66GS9	1	1	1
126	MH	I	Q68CI8 (Q68CI8) Hypothetical protein HMFT1272 (Fra	2.38E-03	48598.88	Q68CI8	1	1	1
127	MH	L	Q68DL8 (Q68DL8) Hypothetical protein DKFZp781L03	3.98E-03	84645.59	Q68DL8	1	1	1
128	MH	F	S6A19_HUMAN (Q695T7) Sodium-dependent neutral ε	5.44E-03	71063.29	Q695T7	1	1	1
129	MH	L	Q6A334 (Q6A334) Mutated in bladder cancer 1	8.74E-03	61882.69	Q6A334	1	1	1
130	MH	F	Q6IA31 (Q6IA31) FLJ14154 protein	7.48E-03	27415.97	Q6IA31	1	1	1
131	MH	G	Q6IBW4 (Q6IBW4) Em:U62317.2 protein	6.70E-03	68183.7	Q6IBW4	1	1	1
132	MH	I	Q6IE81 (Q6IE81) JADE1L protein	9.07E-03	95472.82	Q6IE81	1	1	1
133	MH	I	Q6IF05 (Q6IF05) Olfactory receptor OR1-47	8.84E-04	37737.82	Q6IF05	1	1	1
134	MH	I	ST6B1_HUMAN (Q6IMI4) Sulfotransferase 6B1 (EC 2.1	9.60E-03	30491.21	Q6IMI4	1	1	1
135	MH	G	PTRF_HUMAN (Q6NZI2) Polymerase I and transcript r	1.14E-03	43449.88	Q6NZI2	1	1	1
136	MH	I	Q6P3W7 (Q6P3W7) Similar to mouse D10Etd802e pr	9.06E-04	103642.4	Q6P3W7	1	1	1
137	MH	F	Q6P658 (Q6P658) FNBP1 protein (Fragment)	6.14E-04	40759.38	Q6P658	1	1	1
138	MH	H	GP133_HUMAN (Q6QNK2) Probable G-protein couple	7.32E-03	96466.2	Q6QNK2	1	1	1
139	MH	F	Q6UXX5 (Q6UXX5) ITI-like protein (Inter-alpha (Globu	6.30E-03	143097.8	Q6UXX5	1	1	1
140	MH	H	Q6ZMV7 (Q6ZMV7) Hypothetical protein FLJ16841	5.36E-03	45118.72	Q6ZMV7	1	1	1

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【表 8 - 6】

141	MH	L	Q6ZMX7 (Q6ZMX7) Hypothetical protein FLJ16607	1.23E-03	147809.7	Q6ZMX7	1	1	1
142	MH	L	Q6ZQN2 (Q6ZQN2) Hypothetical protein FLJ46846	2.18E-03	180573.9	Q6ZQN2	1	1	1
143	MH	H	Q6ZVL2 (Q6ZVL2) Hypothetical protein FLJ42427	7.92E-03	15702.14	Q6ZVL2	1	1	1
144	MH	F	Q6ZW87 (Q6ZW87) Hypothetical protein FLJ41443	5.09E-03	24773.63	Q6ZW87	1	1	1
145	MH	I	Q7KYS7 (Q7KYS7) Hypothetical protein (Fragment)	1.53E-03	31128.16	Q7KYS7	1	1	1
146	MH	G	Q7RTS7 (Q7RTS7) Keratin 5c	4.83E-03	59333.45	Q7RTS7	1	1	1
147	MH	F	CA036_HUMAN (Q7Z3Z2) Protein C1orf36	1.27E-04	22689.57	Q7Z3Z2	1	1	1
148	MH	I	Q7Z736 (Q7Z736) Hypothetical protein FLJ21019	7.52E-03	85273.38	Q7Z736	1	1	1
149	MH	I	Q86VJ1 (Q86VJ1) E3 ligase for inhibin receptor	9.51E-03	289427.4	Q86VJ1	1	1	1
150	MH	L	Q86Y22 (Q86Y22) Alpha 1 type XXIII collagen	3.71E-03	51912.29	Q86Y22	1	1	1
151	MH	F	Q8IUA7 (Q8IUA7) ATP-binding cassette sub-family A n	5.95E-03	184241.6	Q8IUA7	1	1	1
152	MH	G	Q8IUG8 (Q8IUG8) Carnitine transporter 2	6.69E-03	60830.3	Q8IUG8	1	1	1
153	MH	F	Q8IUS2 (Q8IUS2) LOC339483 protein	3.48E-03	2870.257	Q8IUS2	1	1	1
154	MH	L	Q8IZA4 (Q8IZA4) ELYS transcription factor-like protein	5.66E-03	256022.6	Q8IZA4	1	1	1
155	MH	L	ASPM_HUMAN (Q8IZT6) Abnormal spindle-like microc	4.72E-03	409539.8	Q8IZT6	1	1	1
156	MH	G	Q8N1G4 (Q8N1G4) Hypothetical protein LRR47 (Nov	2.19E-03	63433.89	Q8N1G4	1	1	1
157	MH	H	Q8N401 (Q8N401) KIAA1632 protein	8.67E-03	52340.19	Q8N401	1	1	1
158	MH	L	DCAK2_HUMAN (Q8N568) Serine/threonine-protein kir	4.26E-03	83587.57	Q8N568	1	1	1
159	MH	L	Q8N5E0 (Q8N5E0) Apoptosis-inducing factor like, iso	5.12E-03	66924.3	Q8N5E0	1	1	1
160	MH	F	Q8NC99 (Q8NC99) Hypothetical protein FLJ90396	5.35E-03	66758.55	Q8NC99	1	1	1
161	MH	H	Q8NF06 (Q8NF06) FLJ00398 protein (Fragment)	1.78E-04	72000.41	Q8NF06	1	1	1
162	MH	G	Q8NFY8 (Q8NFY8) Neuroblastoma-amplified protein	1.13E-03	268295.4	Q8NFY8	1	1	1
163	MH	L	O10A7_HUMAN (Q8NGE5) Olfactory receptor 10A7	8.56E-03	35670.34	Q8NGE5	1	1	1
164	MH	F	Q8NH29 (Q8NH29) Seven transmembrane helix recepl	1.70E-04	25373.85	Q8NH29	1	1	1
165	MH	G	IL17D_HUMAN (Q8TAD2) Interleukin-17D precursor (II	6.37E-03	21879.14	Q8TAD2	1	1	1
166	MH	F	Q8TCE1 (Q8TCE1) SERPINC1 protein	2.30E-05	29073.79	Q8TCE1	1	1	1
167	MH	F	Q8TCJ2 (Q8TCJ2) Source of immunodominant MHC-a	3.14E-04	93613.76	Q8TCJ2	1	1	1
168	MH	F	DDX54_HUMAN (Q8TDD1) DEAD-box protein 54 (EC	1.74E-03	98534.24	Q8TDD1	1	1	1
169	MH	G	Q92772 (Q92772) P56 KIAMRE protein kinase (Cyclir	6.77E-03	55982.93	Q92772	1	1	1

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【表 8－9】

228	MH	F	PCDG7_HUMAN (Q9Y5G6) Protocadherin gamma A7	2.96E-03	101659.2	Q9Y5G6	1	1	1
229	MH	L	PCDA2_HUMAN (Q9Y5H9) Protocadherin alpha 2 prec	6.26E-03	102000.4	Q9Y5H9	1	1	1
230	MH	G	Q9Y5S5 (Q9Y5S5) DNA polymerase epsilon catalytic s	9.10E-03	262846.1	Q9Y5S5	1	1	1
231	MH	F	SO1B1_HUMAN (Q9Y6L6) Solute carrier organic anion	1.51E-03	76398.98	Q9Y6L6	1	1	1

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【表 8 - 1 0】

表 8 (続 き)

タンパク質	細胞内部位	機能
ソルチリン (sorting) 関連受容体前駆体	膜	エンドサイトーシス受容体
ニューロン膜糖タンパク M6-a	膜	神経発達
キネシン様タンパク質 KIF1A	シナプス小胞	軸索輸送
電圧依存性 I 型カルシウムチャネル $\alpha-1$ Gサブユニット	膜	カルシウム流入 / 流出
リアノジン受容体 2 (心筋型リアノジン受容体)	膜	横行小管と筋小胞体間の伝達
SOX-12 タンパク質 (SOX-22 タンパク質)	核	非ヒストン DNA 結合
Frizzled 6 前駆体 (Frizzled-6) (Fz-6) (hfz6)	膜	細胞分化 / 形態形成
網膜芽細胞腫結合タンパク質 5 (RBBP-5)	核	転写
レチノイン酸受容体 α (RAR- α)	核	レチノイン酸受容体

8.0ul 硝子体液 / 患者
研究のため 8.0 x 5 = 40ul / 患者

【表 9 - 1】

表 9： 網膜剥離症（RD）の患者から同定された硝子体タンパク質

タンパク質		アクセシオン	MW	P (確率)
1	LOC131076 protein	Q4VC31	16609.49	2.50E-03
2	Keratin, type II	Q14533	54935.82	5.27E-07
3	Histone acetyltransferase	Q92831	92953.77	6.68E-04
4	Cathepsin D precursor	P07339	44523.66	3.66E-09
5	Peroxiredoxin 1	Q06830	22096.28	1.57E-06
6	Nuclear pore complex protein Nup214	P35658	213632.8	4.38E-03
7	T-cell activation Rho GTPase-activating protein	Q8N103	80652.9	5.60E-03
8	Protein C9orf126	Q8N9R8	70385.07	1.82E-03
9	Receptor interacting protein kinase 5	Q5RK70	99957.35	2.01E-03
10	Novel protein	Q5VVM6	91277.53	2.74E-04
11	Potassium voltage-gated channel subfamily A	Q09470	56505.6	8.04E-04
12	Huntingtin interacting protein E	Q9BVA6	51745.16	7.33E-05
13	KIAA0068 protein (Fragment)	Q14467	147040.6	2.65E-04
14	Hypothetical protein FLJ21129	Q9H796	63276.44	2.87E-03
15	HS1-associating protein X-1	Q00165	31601.06	2.63E-03
16	Inositol polyphosphate 5-phosphatase	O15357	138498.9	1.69E-04
17	DNA repair protein RAD51 homolog 3	O43502	42162.89	3.18E-03
18	Ig lambda chain V region	P04211	12372.02	4.35E-03
19	Keratin, type II	P04259	59831.25	4.19E-05
20	Cation-independent mannose-6-phosphate receptor	P11717	274097.6	5.66E-03
21	Macrophage scavenger receptor types I and II	P21757	49730.82	7.76E-04
22	Matrin-3	P43243	94564.67	3.80E-03
23	Voltage-dependent anion-selective channel protein 2	P45880	38068.68	4.14E-04
24	FLJ00268 protein (Fragment)	Q6ZML5	72805.3	2.78E-03
25	LAG1 longevity assurance homolog 2	Q96G23	44847.38	1.46E-04
26	Serine/threonine-protein kinase	Q96J92	134655.6	8.12E-03
27	Hypothetical protein FLJ13940	Q8H853	27528.79	2.89E-03
28	Adenylate kinase isoenzyme 2	P54819	26329.73	1.02E-03
29	DAX1_HUMAN (P51843) Nuclear receptor 0B1 (Nuclear receptor DAX-1) (DSS-AHC c	P51843	51683.89	1.40E-03
30	ZN473_HUMAN (Q8WTR7) Zinc finger protein 473 (Zinc finger protein 100 homolog)	Q8WTR7	100118.1	2.47E-03
31	CPSF3_HUMAN (Q9UKF6) Cleavage and polyadenylation specificity factor, 73 kDa su	Q9UKF6	77436.22	1.14E-03
32	K2C5_HUMAN (P13647) Keratin, type II cytoskeletal 5 (Cytokeratin-5) (CK-5) (Ke	P13647	62409.08	7.34E-08

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【表 9 - 2】

33	CAH1_HUMAN (P00915) Carbonic anhydrase 1 (EC 4.2.1.1) (Carbonic anhydrase I) ((	P00915	28721.34	8.52E-08
34	KNG1_HUMAN (P01042) Kiningen-1 precursor (Alpha-2-thiol proteinase inhibitor)	P01042	71900.1	2.12E-10
35	K1C14_HUMAN (P02533) Keratin, type I cytoskeletal 14 (Cytokeratin-14) (CK-14)	P02533	51458.45	3.33E-06
36	O00211 (O00211) HSLK (Ste20-related serine/threonine kinase)	O00211	139909.7	8.39E-03
37	P3C2A_HUMAN (O00443) Phosphatidylinositol-4-phosphate 3-kinase C2 domain-cont	O00443	190616.2	7.07E-03
38	SYT5_HUMAN (O00445) Synaptotagmin-5 (Synaptotagmin V) (SyV)	O00445	42873.54	3.71E-03
39	CHD2_HUMAN (O14647) Chromodomain-helicase-DNA-binding protein 2 (CHD-2)	O14647	200437.6	7.04E-03
40	MLL2_HUMAN (O14686) Myeloid/lymphoid or mixed-lineage leukemia protein 2 (ALL1	O14686	563835.8	8.21E-04
41	O15042 (O15042) Hypothetical protein KIAA0332 (U2-associated SR140 protein) (Fr	O15042	118087.4	7.16E-04
42	SNPH_HUMAN (O15079) Syntrophin	O15079	57953.73	7.58E-03
43	WDR46_HUMAN (O15213) WD-repeat protein 46 (WD-repeat protein BING4)	O15213	67998.89	3.67E-03
44	HAPIP_HUMAN (O60229) Huntingtin-associated protein-interacting protein (Duo pr	O60229	192107.9	3.37E-03
45	O60687 (O60687) Sushi-repeat-containing protein, X-linked 2	O60687	52937.79	4.07E-03
46	ZC11A_HUMAN (O75152) Zinc finger CCCH-type domain containing protein 11A	O75152	89076.06	4.33E-03
47	O75198 (O75198) CDC37-like gene	O75198	26530.93	1.49E-03
48	AVIL_HUMAN (O75366) Advillin (p92)	O75366	92028.35	8.01E-03
49	MYCB2_HUMAN (O75592) Probable ubiquitin ligase protein MYCBP2 (EC 6.3.2.-) (My	O75592	509842.3	7.36E-03
50	CMC1_HUMAN (O75746) Calcium-binding mitochondrial carrier protein Arelar1 (Mit	O75746	74709.01	3.32E-03
51	MFN2_HUMAN (O95140) Transmembrane GTPase MFN2 (EC 3.6.5.-) (Mitofusin-2)	O95140	86346.95	4.18E-03
52	G6PE_HUMAN (O95479) GDH/6PGL endoplasmic bifunctional protein precursor (Incit	O95479	88822.63	3.69E-03
53	HPTR_HUMAN (P00739) Haptoglobin-related protein precursor	P00739	39982.66	5.05E-03
54	CFAB_HUMAN (P00751) Complement factor B precursor (EC 3.4.21.47) (C3/C5 convi	P00751	85478.58	2.24E-04
55	ASSY_HUMAN (P00966) Argininosuccinate synthase (EC 6.3.4.5) (Citrulline-aspar	P00966	46501.01	4.02E-03
56	HRG_HUMAN (P04196) Histidine-rich glycoprotein precursor (Histidine-proline-r	P04196	59540.94	5.94E-04
57	CFAL_HUMAN (P05156) Complement factor I precursor (EC 3.4.21.45) (C3B/C4B inac	P05156	65676.66	2.93E-05
58	ITB1_HUMAN (P05556) Integrin beta-1 precursor (Fibronectin receptor beta subun	P05556	88406.98	7.50E-05
59	KV2F_HUMAN (P06310) Ig kappa chain V-II region RPMI 6410 precursor	P06310	14697.37	1.78E-06
60	K1C16_HUMAN (P08779) Keratin, type I cytoskeletal 16 (Cytokeratin-16) (CK-16) (	P08779	51105.21	1.08E-06
61	TAU_HUMAN (P10636) Microtubule-associated protein tau (Neurofibrillary tangle	P10636	78698.83	7.47E-04
62	PABP1_HUMAN (P11940) Polyadenylate-binding protein 1 (Poly(A)-binding protein	P11940	70626.04	9.99E-03
63	SCG2_HUMAN (P13521) Secretogranin-2 precursor (Secretogranin II) (SgII) (Chromo	P13521	70825.11	6.93E-03
64	UCHL3_HUMAN (P15374) Ubiquitin carboxyl-terminal hydrolase isozyme L3 (EC 3.4.	P15374	26165.98	6.36E-03
65	CBPE_HUMAN (P16870) Carboxypeptidase E precursor (EC 3.4.17.10) (CPE) (Carbo	P16870	53117.17	1.65E-06
66	AATC_HUMAN (P17174) Aspartate aminotransferase, cytoplasmic (EC 2.6.1.1) (Tran	P17174	48087.54	9.28E-03
67	A1ATR_HUMAN (P20848) Alpha-1-antitrypsin-related protein precursor	P20848	47860.97	7.19E-03
68	RAE2_HUMAN (P26374) Rab proteins geranyltransferase component A 2 (Rat	P26374	74024.21	1.83E-03

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【表 9 - 3】

69	VGFR2_HUMAN (P35968) Vascular endothelial growth factor receptor 2 precursor (	P35968	151430.5	1.56E-03
70	CH3L1_HUMAN (P36222) Chitinase-3-like protein 1 precursor (Cartilage glycoprot	P36222	42586.39	2.71E-06
71	MAP1B_HUMAN (P46821) Microtubule-associated protein 1B (MAP 1B) [Contains: M	P46821	270451.8	5.22E-03
72	PCY1A_HUMAN (P49585) Choline-phosphate cytidylyltransferase A (EC 2.7.7.15) (P	P49585	41705.8	3.65E-03
73	CEBPD_HUMAN (P49716) CCAAT/enhancer binding protein delta (C/EBP delta) (Nucl	P49716	28461.45	6.61E-03
74	CCR6_HUMAN (P51684) C-C chemokine receptor type 6 (C-C CKR-6) (CC-CKR-6) (C	P51684	42465.93	7.26E-03
75	EPHA5_HUMAN (P54756) Ephrin type-A receptor 5 precursor (EC 2.7.1.112) (Tyrosi	P54756	114710.3	7.74E-03
76	PSD4_HUMAN (P55036) 26S proteasome non-ATPase regulatory subunit 4 (26S prot	P55036	40711.21	6.62E-04
77	B2MG_HUMAN (P61769) Beta-2-microglobulin precursor [Contains: Beta-2-microglob	P61769	13705.91	3.51E-07
78	GBB1_HUMAN (P62873) Guanine nucleotide-binding protein G(I)/G(S)/G(T) beta sub	P62873	37221.98	1.27E-03
79	CXAR_HUMAN (P78310) Coxsackievirus and adenovirus receptor precursor (Coxsack	P78310	40004.39	1.03E-03
80	GALT1_HUMAN (Q10472) Polypeptide N-acetylgalactosaminyltransferase 1 (EC 2.4.1	Q10472	64177.48	3.87E-03
81	PTN13_HUMAN (Q12923) Tyrosine-protein phosphatase, non-receptor type 13 (EC 3.	Q12923	276731.3	3.13E-05
82	DLG1_HUMAN (Q12959) Presynaptic protein SAP97 (Synapse-associated protein 97)	Q12959	100293.1	6.56E-03
83	AKAP6_HUMAN (Q13023) A-kinase anchor protein 6 (Protein kinase A anchoring pro	Q13023	256503.6	1.63E-03
84	ATM_HUMAN (Q13315) Serine-protein kinase ATM (EC 2.7.1.37) (Ataxia telangiecta	Q13315	350417.1	4.51E-03
85	ROCK1_HUMAN (Q13464) Rho-associated protein kinase 1 (EC 2.7.1.37) (Rho-assoc	Q13464	158074.9	1.42E-03
86	ENPP2_HUMAN (Q13822) Ectonucleotide pyrophosphatase/phosphodiesterase 2 (E- $\uparrow$	Q13822	98939.61	5.80E-10
87	SMC1A_HUMAN (Q14683) Structural maintenance of chromosome 1-like 1 protein (St	Q14683	143143.6	9.76E-04
88	NOLC1_HUMAN (Q14978) Nucleolar phosphoprotein p130 (Nucleolar 130 kDa protein	Q14978	73676.72	1.80E-03
89	PLEC1_HUMAN (Q15149) Plectin 1 (PLTN) (PCN) (Hemidesmosomal protein 1) (HD1	Q15149	531411.9	2.61E-04
90	K1H1_HUMAN (Q15323) Keratin, type I cuticular Ha1 (Hair keratin, type I Ha1)	Q15323	47202.1	1.36E-03
91	NCOA1_HUMAN (Q15788) Nuclear receptor coactivator 1 (EC 2.3.1.48) (NCoA-1) (St	Q15788	156641.7	4.14E-04
92	Q15813 (Q15813) Beta-tubulin cofactor E (Tubulin-specific chaperone e)	Q15813	59309.08	5.90E-03
93	SCN9A_HUMAN (Q15858) Sodium channel protein type IX alpha subunit (Voltage-gati	Q15858	226193.9	6.73E-03
94	Q495C9 (Q495C9) Hypothetical protein LOC149134	Q495C9	13623.18	6.59E-03
95	Q4G0M1 (Q4G0M1) FLJ37034 protein (Fragment)	Q4G0M1	14453.34	6.80E-03
96	Q567P4 (Q567P4) Hypothetical protein (Fragment)	Q567P4	34603.27	2.58E-03
97	LRC10_HUMAN (Q5BK71) Leucine-rich repeat-containing protein 10	Q5BK71	31621.81	9.03E-04
98	Q5H9K7 (Q5H9K7) Novel protein (Fragment)	Q5H9K7	38685.59	6.32E-03
99	Q5H9K8 (Q5H9K8) Armadillo repeat containing, X-linked 4 (Fragment)	Q5H9K8	36484.3	7.72E-03
100	Q5JRL1 (Q5JRL1) Novel protein	Q5JRL1	30747.36	6.73E-03
101	Q5T364 (Q5T364) OTTHUMP00000022702	Q5T364	101941	4.05E-03
102	Q5T3B9 (Q5T3B9) Novel protein	Q5T3B9	45993.33	4.46E-03
103	Q5TBP2 (Q5TBP2) Retinoblastoma-associated factor 600 (RBAF600) (Fragment)	Q5TBP2	106303.1	4.66E-03
104	Q5VWL1 (Q5VWL1) Membrane-associated guanylate kinase-related 3 (MAGI-3)	Q5VWL1	162847.8	7.51E-03

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【表 9 - 4】

105	Q5XLJ0 (Q5XLJ0) AIDA1C transcript variant 4	Q5XLJ0	48400.84	9.99E-03
106	Q6DN23 (Q6DN23) Platelet phospholipase A2	Q6DN23	16135.78	4.11E-03
107	Q6IAM5 (Q6IAM5) SLC27A6 protein	Q6IAM5	70042.55	3.12E-03
108	Q6JIC5 (Q6JIC5) Cementum attachment protein	Q6JIC5	14910.42	9.87E-03
109	Q6MZ7 (Q6MZ7) Hypothetical protein DKFZp886M24218	Q6MZ7	52387.13	1.00E-30
110	Q6P2C5 (Q6P2C5) PHF2 protein	Q6P2C5	35720.63	5.50E-03
111	Q6P528 (Q6P528) ASPN protein	Q6P528	43863.48	8.71E-03
112	POTE2_HUMAN (Q6S8J3) Prostate, ovary, testis expressed protein on chromosome 2	Q6S8J3	80701.5	6.93E-03
113	Q6UXZ8 (Q6UXZ8) FVS9334	Q6UXZ8	24230.68	7.07E-04
114	Q6ZN08 (Q6ZN08) Hypothetical protein FLJ16537	Q6ZN08	38813.18	4.37E-04
115	Q6ZR14 (Q6ZR14) Hypothetical protein FLJ46736	Q6ZR14	126662.9	8.79E-03
116	Q6ZSK5 (Q6ZSK5) Hypothetical protein FLJ45433	Q6ZSK5	15222.69	6.04E-03
117	Q6ZSY5 (Q6ZSY5) Hypothetical protein FLJ45123	Q6ZSY5	42154.05	7.90E-03
118	Q6ZVQ3 (Q6ZVQ3) Hypothetical protein FLJ42220	Q6ZVQ3	17595.21	1.14E-03
119	Q6ZW49 (Q6ZW49) Hypothetical protein FLJ41606	Q6ZW49	117615.6	3.89E-03
120	Q70AK8 (Q70AK8) Ankyrin-repeat-ARM domain protein (Fragment)	Q70AK8	40496.33	8.67E-04
121	Q70CQ2 (Q70CQ2) Ubiquitin-specific proteinase 34	Q70CQ2	386873.7	9.41E-03
122	Q76E79 (Q76E79) Mitochondrial methionyl-tRNA synthetase	Q76E79	66584.84	2.95E-03
123	Q7L7Q2 (Q7L7Q2) BLOM7 beta (Novel protein)	Q7L7Q2	59101.39	1.49E-04
124	Q7Z3P5 (Q7Z3P5) Hypothetical protein DKFZp686P13218	Q7Z3P5	30940.46	5.90E-04
125	NPHP3_HUMAN (Q7Z494) Nephrocystin-3	Q7Z494	150768.9	5.74E-03
126	Q86VG6 (Q86VG6) Hypothetical protein	Q86VG6	11523.95	3.43E-03
127	TXND2_HUMAN (Q86VQ3) Thioredoxin domain-containing protein 2 (Spermatid-speci	Q86VQ3	60424.09	7.89E-04
128	NAL14_HUMAN (Q86W24) NACHT-, LRR- and PYD-containing protein 14 (Nucleotide	Q86W24	124651.5	1.88E-03
129	Q86WW8 (Q86WW8) Hypothetical protein MGC52110 (Hypothetical protein tmp_locu	Q86WW8	8370.071	4.59E-03
130	Q86Y92 (Q86Y92) Similar to KIAA0922 protein (Fragment)	Q86Y92	154618.6	2.24E-03
131	Q8IV73 (Q8IV73) Guanine nucleotide-releasing factor 2, isoform b	Q8IV73	122658.6	3.40E-03
132	Q8IVL1 (Q8IVL1) Steerin2 protein	Q8IVL1	267950.3	2.98E-03
133	Q8IVM4 (Q8IVM4) Hypothetical protein	Q8IVM4	6014.06	8.10E-03
134	FA20C_HUMAN (Q8IXL6) Protein FAM20C precursor	Q8IXL6	64405.57	5.31E-03
135	Q8IY66 (Q8IY66) DNA ligase IV (Ligase IV, DNA, ATP-dependent)	Q8IY66	103904	7.76E-03
136	GP115_HUMAN (Q8IZF3) Probable G-protein coupled receptor 115 (G-protein couple	Q8IZF3	83775.66	5.14E-04
137	Q8IZQ1 (Q8IZQ1) ALFY	Q8IZQ1	394992	6.15E-03
138	AHI1_HUMAN (Q8N157) Joubertin (Abelson helper integration site 1 protein homolo	Q8N157	137029	2.76E-03
139	Q8N1K5 (Q8N1K5) Hypothetical protein FLJ40584	Q8N1K5	73625.31	5.82E-03
140	Q8N3I3 (Q8N3I3) Hypothetical protein DKFZp761P18121	Q8N3I3	81550.7	3.18E-03

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【表 9 - 5】

141	Q8N543 (Q8N543) Hypothetical protein FLJ10826	Q8N543	63206.21	1.90E-03
142	Q8N998 (Q8N998) Hypothetical protein FLJ38159	Q8N998	43781.59	7.01E-03
143	Q8N9S2 (Q8N9S2) Hypothetical protein FLJ38635	Q8N9S2	28973.04	5.25E-03
144	Q8NAJ6 (Q8NAJ6) Hypothetical protein FLJ35251	Q8NAJ6	81745.5	1.24E-03
145	Q8NCU4 (Q8NCU4) Hypothetical protein	Q8NCU4	110499	9.83E-03
146	Q8NDA2 (Q8NDA2) Hypothetical protein DKFZp434P0216 (Fragment)	Q8NDA2	143799.3	7.52E-04
147	Q8TAN9 (Q8TAN9) Oxoglutarate dehydrogenase-like	Q8TAN9	114423.7	6.91E-03
148	Q8TB85 (Q8TB85) Kelch domain containing 4	Q8TB85	57855.43	1.01E-03
149	Q8TBZ0 (Q8TBZ0) Hypothetical protein KIM-HN-1	Q8TBZ0	96864.98	6.67E-04
150	Q8TC05 (Q8TC05) Mdm4, transformed 3T3 cell double minute 1, p53 binding protein	Q8TC05	80695.09	5.19E-03
151	CHD6_HUMAN (Q8TD26) Chromodomain-helicase-DNA-binding protein 6 (CHD-6) (R	Q8TD26	305218.9	6.52E-03
152	PAR3L_HUMAN (Q8TEW8) Amyotrophic lateral sclerosis 2 chromosome region candi	Q8TEW8	132412.5	9.52E-03
153	Q8WVY7 (Q8WVY7) Ubiquitin-like domain containing CTD phosphatase 1 (CTQ-like p	Q8WVY7	36781.22	8.32E-04
154	ANKR7_HUMAN (Q92527) Ankyrin repeat domain protein 7 (Testis-specific protein	Q92527	22573.66	8.25E-03
155	Q92735 (Q92735) FMI protein	Q92735	161492.6	4.05E-03
156	SNPC3_HUMAN (Q92966) snRNA-activating protein complex subunit 3 (SNAPc subur	Q92966	46722.65	9.07E-03
157	IRF7_HUMAN (Q92985) Interferon regulatory factor 7 (IRF-7)	Q92985	54244.25	7.33E-04
158	Q96AG4 (Q96AG4) Hypothetical protein PRO1855	Q96AG4	34908.9	9.06E-03
159	ISG20_HUMAN (Q96AZ6) Interferon-stimulated gene 20 kDa protein (EC 3.1.13.1) (	Q96AZ6	20350.62	9.06E-05
160	GMCL1_HUMAN (Q96IK5) Germ cell-less protein-like 1	Q96IK5	58647.47	7.74E-03
161	KAD7_HUMAN (Q96M32) Putative adenylate kinase 7 (EC 2.7.4.3)	Q96M32	82620.65	9.64E-03
162	DB118_HUMAN (Q96PH6) Beta-defensin 118 precursor (Beta-defensin 18) (DEFB-18	Q96PH6	13604.79	5.68E-03
163	VPS35_HUMAN (Q96QK1) Vacuolar protein sorting 35 (Vesicle protein sorting 35)	Q96QK1	91649.07	4.26E-03
164	MAGI1_HUMAN (Q96QZ7) Membrane associated guanylate kinase, WW and PDZ do	Q96QZ7	164540.2	7.80E-03
165	MCCA_HUMAN (Q96RQ3) Methylcrotonoyl-CoA carboxylase alpha chain, mitochondri	Q96RQ3	80382.04	3.52E-03
166	NIBL_HUMAN (Q96TA1) Niban-like protein (Meg-3)	Q96TA1	82631.11	6.21E-03
167	SPS2_HUMAN (Q99611) Selenide, water dikinase 2 (EC 2.7.9.3) (Selenophosphate s)	Q99611	47227.85	2.61E-03
168	KIF2C_HUMAN (Q99661) Kinesin-like protein KIF2C (Mitotic centromere-associated	Q99661	81261.21	5.02E-03
169	CLP24_HUMAN (Q9BSN7) Claudin-like protein 24	Q9BSN7	24523.55	2.48E-03
170	DATF1_HUMAN (Q9BTC0) Death-associated transcription factor 1	Q9BTC0	129070.5	7.61E-03
171	CHST6_HUMAN (Q9GZX3) Carbohydrate sulfotransferase 6 (EC 2.8.2.-) (N-acetylglu	Q9GZX3	44071.2	5.32E-03
172	TNKS2_HUMAN (Q9H2K2) Tankyrase 2 (EC 2.4.2.30) (TANK2) (Tankyrase II) (TNKS	Q9H2K2	128838.5	1.90E-05
173	Q9H2M8 (Q9H2M8) DC28	Q9H2M8	64005.01	8.59E-03
174	SMRCD_HUMAN (Q9H4L7) SWI/SNF-related, matrix associated, actin-dependent reg	Q9H4L7	117299.9	7.44E-03
175	Q9H9B0 (Q9H9B0) Hypothetical protein FLJ12883	Q9H9B0	91169.25	9.96E-03
176	Q9H9B6 (Q9H9B6) Hypothetical protein FLJ12873	Q9H9B6	71307.3	4.63E-03

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【表 9 - 6】

177	LPHN3_HUMAN (Q9HAR2)	Latrophilin-3 precursor (Calcium-independent alpha-latrot	Q9HAR2	161709.3	9.90E-03
178	MAGE1_HUMAN (Q9HC15)	Melanoma-associated antigen E1 (MAGE-E1 antigen) (He	Q9HC15	103189.7	6.56E-03
179	OLFL3_HUMAN (Q9NRN5)	Olfactomedin-like protein 3 precursor (HNOEL-iso) (hOLF	Q9NRN5	45981.32	1.86E-03
180	TB22B_HUMAN (Q9NU19)	TBC1 domain family member 22B	Q9NU19	59044.32	3.31E-03
181	CT038_HUMAN (Q9NUV7)	Protein C20orf38	Q9NUV7	19679.8	7.71E-03
182	Q9NXC3 (Q9NXC3)	Hypothetical protein FLJ20298	Q9NXC3	26243.39	8.80E-04
183	THUM1_HUMAN (Q9NXG2)	THUMP domain containing protein 1	Q9NXG2	39290.82	7.48E-03
184	TE2IP_HUMAN (Q9NYB0)	Telomeric repeat binding factor 2 interacting protein 1 (	Q9NYB0	44232.88	1.44E-03
185	ZN226_HUMAN (Q9NYT6)	Zinc finger protein 226	Q9NYT6	91861.71	4.95E-03
186	GSCR1_HUMAN (Q9NZM4)	Glioma tumor suppressor candidate region gene 1 protein	Q9NZM4	152898.4	6.54E-03
187	HCN3_HUMAN (Q9P1Z3)	Potassium/sodium hyperpolarization-activated cyclic nucle	Q9P1Z3	85977.23	5.36E-03
188	CEP72_HUMAN (Q9P209)	Centrosomal protein of 72 kDa (Cep72 protein)	Q9P209	71673.01	1.96E-03
189	CING_HUMAN (Q9P2M7)	Cingulin	Q9P2M7	136303.7	5.06E-03
190	SL9A2_HUMAN (Q9UBY0)	Sodium/hydrogen exchanger 2 (Na(+)/H(+) exchanger 2) (I	Q9UBY0	91461.34	6.23E-04
191	Q9UJU1 (Q9UJU1)	Cytovillin 2 (Fragment)	Q9UJU1	16251.62	8.20E-03
192	STML2_HUMAN (Q9UJZ1)	Stomatin-like protein 2 (SLP-2) (EPB72-like 2)	Q9UJZ1	38510.22	2.48E-03
193	MYH13_HUMAN (Q9UKX3)	Myosin-13 (Myosin heavy chain, skeletal muscle, extraocu	Q9UKX3	223539.2	5.60E-03
194	TTC7A_HUMAN (Q9ULT0)	Tetratricopeptide repeat protein 7A (TPR repeat protein 7	Q9ULT0	96123.27	6.23E-03
195	ALK_HUMAN (Q9UM73)	ALK tyrosine kinase receptor precursor (EC 2.7.1.112) (Anap	Q9UM73	176304.4	9.57E-03
196	ICAM5_HUMAN (Q9UMF0)	Intercellular adhesion molecule 5 precursor (ICAM-5) (Tel	Q9UMF0	97270.1	2.21E-03
197	SOX13_HUMAN (Q9UN79)	SOX-13 protein (Type 1 diabetes autoantigen ICA12) (Isle	Q9UN79	98718.72	7.41E-03
198	CNTN6_HUMAN (Q9UQ52)	Contactin 6 precursor (Neural recognition molecule NB-3)	Q9UQ52	113885.1	5.55E-03
199	NALDL_HUMAN (Q9UQQ1)	N-acetylated-alpha-linked acidic dipeptidase-like protein	Q9UQQ1	80574.27	1.21E-03
200	CG141_HUMAN (Q9Y3E0)	UPF0198 protein CGI-141	Q9Y3E0	15415.4	5.94E-05
201	ZN337_HUMAN (Q9Y3M9)	Zinc finger protein 337	Q9Y3M9	86819.26	4.48E-03
202	TLN1_HUMAN (Q9Y490)	Talin-1	Q9Y490	269596.3	3.76E-03
203	PCDGB_HUMAN (Q9Y5H2)	Protocadherin gamma A11 precursor (PCDH-gamma-A1'	Q9Y5H2	101480.6	9.51E-03
204	WIF1_HUMAN (Q9Y5W5)	Wnt inhibitory factor 1 precursor (WIF-1)	Q9Y5W5	41499.8	5.15E-03
205	S12A7_HUMAN (Q9Y666)	Solute carrier family 12 member 7 (Electroneutral potassiu	Q9Y666	119072.7	1.59E-04
206	SNCAP_HUMAN (Q9Y6H5)	Synphilin-1 (Alpha-synuclein-interacting protein)	Q9Y6H5	100319	5.97E-03
413	DC13_HUMAN (Q9NRP2)	UPF0287 protein DC13	Q9NRP2	9453.72	2.81E-03
414	Q9NS87 (Q9NS87)	Kinesin-like protein 2	Q9NS87	160060.4	4.46E-03
415	Q9NSN6 (Q9NSN6)	Hypothetical protein DKFZp761O0113	Q9NSN6	39970.1	6.56E-03
416	EMIL3_HUMAN (Q9NT22)	EMILIN-3 precursor (EMILIN-5) (Elastin microfibril interf	Q9NT22	82595.73	3.69E-03
417	UGGG1_HUMAN (Q9NYU2)	UDP-glucose:glycoprotein glucosyltransferase 1 precurs	Q9NYU2	174866.5	3.89E-03
418	T2R14_HUMAN (Q9NYV8)	Taste receptor type 2 member 14 (T2R14) (Taste receptor	Q9NYV8	36136.48	1.33E-03

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【表 9 - 7】

419	COMD9_HUMAN (Q9P000) COMM domain containing protein 9	Q9P000	21904.53	4.29E-04
420	VPS18_HUMAN (Q9P253) Vacuolar protein sorting 18 (hVPS18)	Q9P253	110115.9	7.01E-03
421	RRBP1_HUMAN (Q9P2E9) Ribosome-binding protein 1 (Ribosome receptor protein) (	Q9P2E9	152380	4.24E-03
422	SUCB1_HUMAN (Q9P2R7) Succinyl-CoA ligase (ADP-forming) beta-chain, mitochondri	Q9P2R7	50299.33	8.47E-03
423	GT2D1_HUMAN (Q9UHL9) General transcription factor II-I repeat domain-containing	Q9UHL9	105990.8	4.56E-03
424	Q9UI74 (Q9UI74) PRO0245	Q9UI74	8075.004	7.12E-04
425	SPB13_HUMAN (Q9UIV8) Serpin B13 (Hurpin) (HaCaT UV-repressible serpin) (Protee	Q9UIV8	44248.2	8.72E-04
426	HOOK1_HUMAN (Q9UJC3) Hook homolog 1 (h-hook1) (hHK1)	Q9UJC3	84594.84	9.77E-03
427	DKKL1_HUMAN (Q8UK85) Dickkopf-like protein 1 precursor (Soggy-1 protein) (SGY-1	Q8UK85	26990.23	1.36E-04
428	PADI3_HUMAN (Q9ULW8) Protein-arginine deiminase type III (EC 3.5.3.15) (Peptid	Q9ULW8	74695.37	9.91E-04
429	MLL4_HUMAN (Q9UMN6) Myeloid/lymphoid or mixed-lineage leukemia protein 4 (Trit	Q9UMN6	293327.3	9.43E-03
430	GPR34_HUMAN (Q9UPC5) Probable G-protein coupled receptor 34	Q9UPC5	43831.09	8.71E-03
431	Q9UQ10 (Q9UQ10) Dimeric dihydrodiol dehydrogenase (EC 1.3.1.20)	Q9UQ10	36358.77	9.73E-03
432	SHOC2_HUMAN (Q9UQ13) Leucine-rich repeat protein SHOC-2 (Ras-binding protein	Q9UQ13	64847.64	3.26E-03
433	AT11B_HUMAN (Q9Y2G3) Probable phospholipid-transporting ATPase 1F (EC 3.6.3.1	Q9Y2G3	134104.1	9.84E-03
434	PCDG7_HUMAN (Q9Y5G6) Protocadherin gamma A7 precursor (PCDH-gamma-A7)	Q9Y5G6	101659.2	2.96E-03
435	PCDA2_HUMAN (Q9Y5H9) Protocadherin alpha 2 precursor (PCDH-alpha2)	Q9Y5H9	102000.4	6.26E-03
436	Q9Y5S5 (Q9Y5S5) DNA polymerase epsilon catalytic subunit protein isoform a	Q9Y5S5	262846.1	9.10E-03
437	SO1B1_HUMAN (Q9Y6L6) Solute carrier organic anion transporter family member 1B	Q9Y6L6	76398.98	1.51E-03

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【表 10 - 1】

表 10: 黄斑孔 (MH) の患者から同定された硝子体タンパク質

タンパク質			アクセッション	MW	P (確率)
207	Protein KIAA1683		Q9H0B3	127611.8	2.65E-04
208	Apolipoprotein A-IV precursor		P06727	45343.52	4.69E-12
209	KIAA0425 protein		Q43308	141056.5	2.12E-04
210	MYH7B protein		Q96157	114574.5	5.17E-04
211	Sortilin-related receptor precursor		Q92673	248280	2.94E-04
212	Ig kappa chain V-II region		P01614	12668.32	4.45E-07
213	Ig kappa chain V-II region MIL		P01616	12048.05	4.45E-07
214	Piccolo protein (Aczonin)		Q9Y6V0	566313.1	4.86E-04
215	Alpha-1B-glycoprotein precursor		P04217	54238.7	1.32E-09
216	Neuronal membrane glycoprotein M6-a		P51674	31188.39	4.39E-03
217	Nuclear pore complex protein Nup153		P49790	153793.4	5.51E-03
218	Secreted frizzled-related protein 3 precursor		Q92765	36230.29	5.30E-06
219	A-kinase anchor protein 3		O75969	94676.41	2.47E-05
220	Telomeric repeat binding factor 1		P54274	50313.11	2.43E-03
221	Kinesin-like protein KIF1A		Q12756	190963.1	3.48E-03
222	UDP-N-acetylhexosamine pyrophosphorylase		Q16222	58731.98	2.88E-03
223	RIF1_HUMAN (Q5UIP0) Telomere-associated protein RIF1 (Rap1-interacting factor		Q5UIP0	274293	2.56E-03
224	Q6P4H8 (Q6P4H8) Hypothetical protein LOC134145		Q6P4H8	26123.47	3.97E-03
225	Q8IV47 (Q8IV47) Fibromodulin,		Q8IV47	43151.57	6.22E-04
226	Q8N9V7 (Q8N9V7) Hypothetical protein FLJ36157		Q8N9V7	77526.28	6.30E-04
227	LIPB2_HUMAN (Q8ND30) Liprin-beta 2 (Protein tyrosine phosphatase receptor type		Q8ND30	98383.37	3.34E-03
228	SYNE1_HUMAN (Q8NF81) Nesprin-1 (Nuclear envelope spectrin repeat protein 1) (Sy		Q8NF81	1010433	1.60E-03
229	K1849_HUMAN (Q96JH8) Protein KIAA1849		Q96JH8	116630	6.35E-03
230	GGA2_HUMAN (Q9UJY4) ADP-ribosylation factor binding protein GGA2 (Golgi-locali		Q9UJY4	67133.75	3.44E-03
231	Q9ULH9 (Q9ULH9) KIAA1241 protein (Fragment)		Q9ULH9	97158.45	1.73E-05
232	CT004_HUMAN (Q9Y312) Protein C20orf4		Q9Y312	43444.13	5.11E-03
233	KIF3A_HUMAN (Q9Y496) Kinesin-like protein KIF3A (Microtubule plus end-directed		Q9Y496	80335.11	8.14E-04
234	CAC1G_HUMAN (O43497) Voltage-dependent T-type calcium channel alpha-1G subu		O43497	262301.1	2.51E-03
235	GLU2B_HUMAN (P14314) Glucosidase II beta subunit precursor (Protein kinase C s		P14314	59258.88	1.97E-03
236	HGB1_HUMAN (P69891) Hemoglobin gamma-1 subunit (Hemoglobin gamma-1 chain;		P69891	15999.27	8.59E-03
237	APXL_HUMAN (Q13796) Apical-like protein (APXL protein)		Q13796	176302	1.55E-03
238	UBP10_HUMAN (Q14694) Ubiquitin carboxy-terminal hydrolase 10 (EC 3.1.2.15) (U		Q14694	87079.84	1.05E-03

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【表 10 - 2】

239	Q15394 (Q15394) KIAA0005 protein (Fragment)	Q15394	48615.16	6.56E-04
240	Q4V9L7 (Q4V9L7) NGRN protein (Fragment)	Q4V9L7	31332.13	4.36E-03
241	Q53SW1 (Q53SW1) Hypothetical protein FLJ20254	Q53SW1	48539.34	2.53E-03
242	Q5BLQ2 (Q5BLQ2) Mucin	Q5BLQ2	28968.2	5.22E-03
243	Q5JRC3 (Q5JRC3) RPEL repeat containing 1 (Fragment)	Q5JRC3	25543.2	4.33E-03
244	Q5T2J8 (Q5T2J8) OTTHUMP0000018139 (Fragment)	Q5T2J8	97147.08	1.44E-03
245	Q65ZC8 (Q65ZC8) Single-chain Fv (Fragment)	Q65ZC8	26110.55	3.05E-05
246	VPS36_HUMAN (Q86VN1) Vacuolar protein sorting protein 36 (ELL-associated protei	Q86VN1	43788.79	1.09E-03
247	RYR2_HUMAN (Q92736) Ryanodine receptor 2 (Cardiac muscle-type ryanodine recep	Q92736	564136.1	6.98E-03
248	TOP1M_HUMAN (Q969P6) DNA topoisomerase I, mitochondrial precursor (EC 5.99.1.	Q969P6	69828.34	5.03E-03
249	Q96EK0 (Q96EK0) Hypothetical protein MGC4655	Q96EK0	41865.86	1.44E-03
250	Q9BRQ8 (Q9BRQ8) Apoptosis-inducing factor (AIF)-like mitochondrion-associated i	Q9BRQ8	40501.28	2.48E-03
251	Q9BS34 (Q9BS34) Zinc finger protein 670 (Hypothetical protein FLJ90293) (Nogel	Q9BS34	44574.27	7.16E-03
252	PLEA5_HUMAN (Q9HAU0) Pleckstrin homology domain-containing protein family A m	Q9HAU0	127384.5	3.50E-03
253	Q5VXU2 (Q5VXU2) Propionyl Coenzyme A carboxylase, alpha polypeptide	Q5VXU2	80235.37	1.34E-04
254	SGK1_HUMAN (O00141) Serine/threonine-protein kinase Sgk1 (EC 2.7.1.37) (Serum/	O00141	48925.35	1.08E-03
255	O14913 (O14913) Kruppel-associated box protein	O14913	52045.66	2.39E-03
256	HAT1_HUMAN (O14929) Histone acetyltransferase type B catalytic subunit (EC 2.3.	O14929	49480.84	1.43E-03
257	O15014 (O15014) KIAA0295 protein (Fragment)	O15014	106382.5	2.79E-03
258	PDZK3_HUMAN (O15018) PDZ domain containing protein 3 (PDZ domain containing i	O15018	301423.4	2.91E-03
259	DMN_HUMAN (O15061) Desmuslin	O15061	172662.5	2.87E-03
260	SOX12_HUMAN (O15370) SOX-12 protein (SOX-22 protein)	O15370	34279.67	1.92E-03
261	O43719 (O43719) HIV TAT specific factor 1	O43719	85800.38	2.48E-03
262	KPRB_HUMAN (O60256) Phosphoribosyl pyrophosphate synthetase-associated protei	O60256	40899.39	3.63E-05
263	LSD1_HUMAN (O60341) Lysine-specific histone demethylase 1 (EC 1.-.-.-) (Amine	O60341	92844.88	2.99E-04
264	FZD6_HUMAN (O60353) Frizzled 6 precursor (Frizzled-6) (Fz-6) (hFz6)	O60353	79222.06	1.13E-03
265	O60826 (O60826) JM1 protein (Hypothetical protein CCDC22)	O60826	70712.32	2.74E-03
266	GAS7_HUMAN (O60861) Growth-arrest-specific protein 7 (GAS-7)	O60861	47236.75	3.84E-04
267	O75179 (O75179) KIAA0697 protein (Fragment)	O75179	263079.2	1.34E-03
268	PRPU_HUMAN (O94906) U5 snRNP-associated 102 kDa protein (U5-102 kDa protein	O94906	106857.9	8.74E-03
269	SLIK3_HUMAN (O94933) SLIT and NTRK-like protein 3 precursor	O94933	108937.1	9.29E-03
270	O95285 (O95285) Erythroblast macrophage protein EMP	O95285	43879.31	8.16E-03
271	FMNL_HUMAN (O95466) Formin-like 1 protein (Formin-like protein) (Leukocyte for	O95466	121750.9	9.19E-03
272	HPT_HUMAN (P00738) Haptoglobin precursor [Contains: Haptoglobin alpha chain; H	P00738	45176.59	2.71E-05
273	KV2B_HUMAN (P01615) Ig kappa chain V-J region FR	P01615	12651.75	5.81E-04
274	CO3A1_HUMAN (P02461) Collagen alpha 1(III) chain precursor	P02461	138470.2	4.25E-03

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【表 10 - 3】

275	FIBG_HUMAN (P02679) Fibrinogen gamma chain precursor	P02679	51478.88	1.61E-04
276	CRP_HUMAN (P02741) C-reactive protein precursor [Contains: C-reactive protein(	P02741	25022.68	9.82E-03
277	AMBP_HUMAN (P02760) AMBP protein precursor [Contains: Alpha-1-microglobulin (P	P02760	38973.99	1.37E-04
278	CSF1R_HUMAN (P07333) Macrophage colony-stimulating factor 1 receptor precursor	P07333	107915.2	8.66E-03
279	RET_HUMAN (P07949) Proto-oncogene tyrosine-protein kinase receptor ret precursor	P07949	124239.4	4.41E-03
280	RARA_HUMAN (P10276) Retinoic acid receptor alpha (RAR-alpha)	P10276	50738.42	5.40E-04
281	C1TC_HUMAN (P11586) C-1-tetrahydrofolate synthase, cytoplasmic (C1-THF synthas	P11586	101364.5	2.60E-03
282	CSPG2_HUMAN (P13611) Versican core protein precursor (Large fibroblast proteog	P13611	372589	7.15E-06
283	K1C13_HUMAN (P13646) Keratin, type I cytoskeletal 13 (Cytokeratin-13) (CK-13)	P13646	49555.45	4.22E-03
284	NEBU_HUMAN (P20929) Nebulin	P20929	772742.8	7.84E-04
285	PRDX2_HUMAN (P32119) Peroxiredoxin 2 (EC 1.11.1.15) (Thioredoxin peroxidase 1)	P32119	21747.2	9.46E-03
286	MYH11_HUMAN (P35749) Myosin-11 (Myosin heavy chain, smooth muscle isoform) (	P35749	227197.9	2.94E-03
287	BRCA1_HUMAN (P38398) Breast cancer type 1 susceptibility protein (RING finger	P38398	207590.9	9.37E-03
288	RL13A_HUMAN (P40429) 60S ribosomal protein L13a (23 kDa highly basic protein)	P40429	23431.35	9.48E-03
289	STAT1_HUMAN (P42224) Signal transducer and activator of transcription 1-alpha/	P42224	87279.63	7.68E-03
290	RHG25_HUMAN (P42331) Rho-GTPase-activating protein 25	P42331	72385.19	8.14E-03
291	AFAM_HUMAN (P43652) Afamin precursor (Alpha-albumin) (Alpha-Alb)	P43652	69024.09	8.12E-05
292	RBP2_HUMAN (P49792) Ran-binding protein 2 (RanBP2) (Nuclear pore complex prot	P49792	357991.4	3.16E-03
293	DPOG1_HUMAN (P54098) DNA polymerase gamma subunit 1 (EC 2.7.7.7) (Mitochon	P54098	139473.4	3.35E-03
294	ELL_HUMAN (P55199) RNA polymerase II elongation factor ELL (Eleven-nineteen ly	P55199	68222.91	5.19E-03
295	CAD12_HUMAN (P55289) Brain-cadherin precursor (BR-cadherin) (Cadherin-12) (N-c	P55289	88219.76	1.52E-03
296	KR102_HUMAN (P60368) Keratin-associated protein 10-2 (Keratin-associated prote	P60368	25595.75	1.72E-03
297	RT21_HUMAN (P82921) Mitochondrial 28S ribosomal protein S21 (S21mt) (MRP-S21;	P82921	10734.48	2.34E-03
298	NSBP1_HUMAN (P82970) Nucleosomal binding protein 1	P82970	31505.95	1.93E-03
299	SCN7A_HUMAN (Q01118) Sodium channel protein type VII alpha subunit (Putative v	Q01118	193345	1.66E-03
300	BDH_HUMAN (Q02338) D-beta-hydroxybutyrate dehydrogenase, mitochondrial precu	Q02338	38132.47	5.68E-03
301	CK013_HUMAN (Q02833) Protein C11orf13 (HRAS1-related cluster protein 1)	Q02833	39920.6	3.17E-03
302	BPA1_HUMAN (Q03001) Bullous pemphigoid antigen 1 isoforms 1/2/3/4/5/8 (230 kDa	Q03001	371976.9	7.39E-03
303	ATP7A_HUMAN (Q04656) Copper-transporting ATPase 1 (EC 3.6.3.4) (Copper pump	Q04656	163230	3.35E-03
304	APLP2_HUMAN (Q06481) Amyloid-like protein 2 precursor (Amyloid protein homolog	Q06481	86900.28	1.03E-09
305	TRDN_HUMAN (Q13061) Triadin	Q13061	81374.51	6.20E-03
306	CSN1_HUMAN (Q13098) COP9 signalosome complex subunit 1 (Signalosome subuni	Q13098	53336.1	7.31E-03
307	NOG2_HUMAN (Q13823) Nucleolar GTP-binding protein 2 (Autoantigen NGP-1)	Q13823	83603.43	9.59E-03
308	Q14159 (Q14159) KIAA0146 protein (Fragment)	Q14159	100592.3	1.44E-03
309	BMS1_HUMAN (Q14692) Ribosome biogenesis protein BMS1 homolog	Q14692	145715.5	3.76E-03
310	2A5D_HUMAN (Q14738) Serine/threonine protein phosphatase 2A, 56 kDa regulatory	Q14738	69947.5	2.98E-03

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【表 10 - 4】

311	RBBP5_HUMAN (Q15291) Retinoblastoma-binding protein 5 (RBBP-5) (Retinoblastoma)	Q15291	59044.69	9.99E-03
312	CDC37_HUMAN (Q16543) Hsp90 co-chaperone Cdc37 (Hsp90 chaperone protein kinase)	Q16543	44440.05	8.92E-03
313	Q49AA0 (Q49AA0) ZNF642 protein	Q49AA0	61112.29	5.50E-03
314	Q4VC44 (Q4VC44) FLYWCH-type zinc finger 1, isoform a	Q4VC44	79985.74	1.11E-03
315	Q4VXM4 (Q4VXM4) Chromosome 20 open reading frame 17	Q4VXM4	114932.5	2.21E-03
316	Q53EU6 (Q53EU6) Hypothetical protein (Fragment)	Q53EU6	48673.52	9.80E-04
317	Q53RG2 (Q53RG2) Hypothetical protein CHRN	Q53RG2	58259.47	4.34E-03
318	Q562E5 (Q562E5) KIAA0194 protein (Fragment)	Q562E5	157553.1	3.73E-04
319	Q59FI9 (Q59FI9) Ribosomal protein L12 variant (Fragment)	Q59FI9	21469.49	6.72E-03
320	Q5JPU1 (Q5JPU1) Pyruvate dehydrogenase (Lipoamide) alpha 1 (Fragment)	Q5JPU1	22743.74	3.07E-03
321	Q5JTH6 (Q5JTH6) Exosomal core protein CSL4	Q5JTH6	18804.54	5.99E-04
322	Q5JX69 (Q5JX69) OTTHUMP0000031352	Q5JX69	19485.96	8.08E-03
323	Q5T1J6 (Q5T1J6) OTTHUMP0000030508	Q5T1J6	17161.46	4.35E-03
324	Q5TDG2 (Q5TDG2) Hydroxy-delta-5-steroid dehydrogenase, 3 beta-and steroid delta	Q5TDG2	42427.11	2.32E-03
325	Q5TYW1 (Q5TYW1) Novel protein (Fragment)	Q5TYW1	97254.69	4.42E-03
326	Q5VXI2 (Q5VXI2) Myosin IIIA	Q5VXI2	22191.69	7.99E-03
327	Q5VYM8 (Q5VYM8) Unc-13 homolog B (C. elegans)	Q5VYM8	180563.2	2.31E-03
328	Q5XPV5 (Q5XPV5) Sjogren syndrome antigen A1	Q5XPV5	54089.2	5.68E-04
329	Q63HP7 (Q63HP7) Hypothetical protein DKFZp686P1551	Q63HP7	65621.97	5.39E-03
330	Q659F3 (Q659F3) Hypothetical protein DKFZp434J194	Q659F3	14956.27	4.86E-03
331	CEP4_HUMAN (Q66GS9) Centrosomal protein 4 (Centrosomal protein of 135 kDa) (C	Q66GS9	133421.9	9.02E-04
332	Q68C18 (Q68C18) Hypothetical protein HMF1272 (Fragment)	Q68C18	48598.88	2.38E-03
333	Q68DL8 (Q68DL8) Hypothetical protein DKFZp781L0319	Q68DL8	84845.59	3.98E-03
334	S6A19_HUMAN (Q695T7) Sodium-dependent neutral amino acid transporter B(0) (Syt	Q695T7	71063.29	5.44E-03
335	Q6A334 (Q6A334) Mutated in bladder cancer 1	Q6A334	61882.69	8.74E-03
336	Q6IA31 (Q6IA31) FLJ14154 protein	Q6IA31	27415.97	7.48E-03
337	Q6IBW4 (Q6IBW4) Em:U62317.2 protein	Q6IBW4	68183.7	6.70E-03
338	Q6IE81 (Q6IE81) JADE1L protein	Q6IE81	95472.82	9.07E-03
339	Q6IF05 (Q6IF05) Olfactory receptor OR1-47	Q6IF05	37737.82	8.84E-04
340	ST6B1_HUMAN (Q6IM14) Sulfotransferase 6B1 (EC 2.8.2.-)	Q6IM14	30491.21	9.60E-03
341	PTRF_HUMAN (Q6NZI2) Polymerase I and transcript release factor (PTRF protein)	Q6NZI2	43449.88	1.14E-03
342	Q6P3W7 (Q6P3W7) Similar to mouse D10Ertd802e protein	Q6P3W7	103642.4	9.06E-04
343	Q6P658 (Q6P658) FBNP1 protein (Fragment)	Q6P658	40759.38	6.14E-04
344	GP133_HUMAN (Q6QNK2) Probable G-protein coupled receptor 133 precursor (G-pro	Q6QNK2	96488.2	7.32E-03
345	Q6UXX5 (Q6UXX5) ITI-like protein (Inter-alpha (Globulin) inhibitor H5-like)	Q6UXX5	143097.8	6.30E-03
346	Q6ZMV7 (Q6ZMV7) Hypothetical protein FLJ16641	Q6ZMV7	45118.72	5.36E-03

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【表 10 - 5】

347	Q6ZMX7 (Q6ZMX7) Hypothetical protein FLJ16607	Q6ZMX7	147809.7	1.23E-03
348	Q6ZQN2 (Q6ZQN2) Hypothetical protein FLJ46846	Q6ZQN2	180573.9	2.18E-03
349	Q6ZVL2 (Q6ZVL2) Hypothetical protein FLJ42427	Q6ZVL2	15702.14	7.92E-03
350	Q6ZW87 (Q6ZW87) Hypothetical protein FLJ41443	Q6ZW87	24773.63	5.09E-03
351	Q7KYS7 (Q7KYS7) Hypothetical protein (Fragment)	Q7KYS7	31128.16	1.53E-03
352	Q7RTS7 (Q7RTS7) Keratin 5c	Q7RTS7	59333.45	4.83E-03
353	CA036_HUMAN (Q7Z322) Protein C1orf36	Q7Z322	22689.57	1.27E-04
354	Q7Z736 (Q7Z736) Hypothetical protein FLJ21019	Q7Z736	85273.38	7.52E-03
355	Q86VJ1 (Q86VJ1) E3 ligase for inhibin receptor	Q86VJ1	289427.4	9.51E-03
356	Q86Y22 (Q86Y22) Alpha 1 type XXIII collagen	Q86Y22	51912.29	3.71E-03
357	Q8IUA7 (Q8IUA7) ATP-binding cassette sub-family A member 9	Q8IUA7	184241.6	5.35E-03
358	Q8IUG8 (Q8IUG8) Carnitine transporter 2	Q8IUG8	60830.3	6.69E-03
359	Q8IUS2 (Q8IUS2) LOC339483 protein	Q8IUS2	2870.257	3.48E-03
360	Q8IZA4 (Q8IZA4) ELYS transcription factor-like protein TMBS62	Q8IZA4	256022.6	5.66E-03
361	ASPM_HUMAN (Q8IZT6) Abnormal spindle-like microcephaly-associated protein (Abn	Q8IZT6	409539.8	4.72E-03
362	Q8N1G4 (Q8N1G4) Hypothetical protein LRRCA7 (Novel protein)	Q8N1G4	63433.89	2.19E-03
363	Q8N401 (Q8N401) KIAA1632 protein	Q8N401	52340.19	8.67E-03
364	DCAK2_HUMAN (Q8N568) Serine/threonine-protein kinase DCAMKL2 (EC 2.7.1.37) (	Q8N568	83587.57	4.26E-03
365	Q8N5E0 (Q8N5E0) Apoptosis-inducing factor like, isoform 2	Q8N5E0	65924.3	5.12E-03
366	Q8NC99 (Q8NC99) Hypothetical protein FLJ90396	Q8NC99	66758.55	5.35E-03
367	Q8NF06 (Q8NF06) FLJ00398 protein (Fragment)	Q8NF06	72000.41	1.78E-04
368	Q8NFY8 (Q8NFY8) Neuroblastoma-amplified protein	Q8NFY8	268295.4	1.13E-03
369	O10A7_HUMAN (Q8NGE5) Olfactory receptor 10A7	Q8NGE5	35670.34	8.56E-03
370	Q8NH29 (Q8NH29) Seven transmembrane helix receptor	Q8NH29	25373.85	1.70E-04
371	IL17D_HUMAN (Q8TAD2) Interleukin-17D precursor (IL-17D) (Interleukin-27) (IL-2	Q8TAD2	21879.14	6.37E-03
372	Q8TCE1 (Q8TCE1) SERPINC1 protein	Q8TCE1	29073.79	2.30E-05
373	Q8TCJ2 (Q8TCJ2) Source of immunodominant MHC-associated peptides	Q8TCJ2	93613.76	3.14E-04
374	DDX54_HUMAN (Q8TDD1) DEAD-box protein 54 (EC 3.6.1.-) (ATP-dependent RNA h	Q8TDD1	98534.24	1.74E-03
375	Q92772 (Q92772) P56 KIAMRE protein kinase (Cyclin-dependent kinase-like 2)	Q92772	55982.93	6.77E-03
376	COR2A_HUMAN (Q92828) Coronin-2A (WD repeat-containing protein 2) (IR10)	Q92828	59725.43	3.04E-03
377	Q96E20 (Q96E20) CD99L2 protein (Hypothetical protein) (Fragment)	Q96E20	16612.17	3.63E-03
378	Q96IV6 (Q96IV6) C5orf4 protein	Q96IV6	38976.07	4.48E-03
379	RSRC1_HUMAN (Q96IZ7) Arginine/serine-rich coiled coil protein 1	Q96IZ7	38654.46	8.17E-03
380	KCNH8_HUMAN (Q96L42) Potassium voltage-gated channel subfamily H member 8 (	Q96L42	123754.3	3.90E-04
381	Q96MP4 (Q96MP4) Hypothetical protein FLJ32091	Q96MP4	81413.94	6.67E-03
382	Q96NI8 (Q96NI8) Hypothetical protein FLJ30791	Q96NI8	62289.69	4.72E-03

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【表 10 - 6】

383	ZN285_HUMAN (Q96NJ3) Zinc finger protein 285	Q96NJ3	50009.57	2.66E-03
384	INP4A_HUMAN (Q96PE3) Type I inositol-3,4-bisphosphate 4-phosphatase (EC 3.1.3.	Q96PE3	109885.5	2.98E-04
385	UHRF2_HUMAN (Q96PU4) Ubiquitin-like containing PHD and RING finger domains pr	Q96PU4	89927.86	6.47E-03
386	Q96QE0 (Q96QE0) Hypothetical protein DL8Q12	Q96QE0	23959.2	3.39E-03
387	PANX2_HUMAN (Q96RD6) Pannexin-2	Q96RD6	69434.98	7.29E-03
388	Q96RF2 (Q96RF2) WWOXdelta5-8	Q96RF2	35019.5	3.55E-03
389	LYST_HUMAN (Q99698) Lysosomal trafficking regulator (Beige homolog)	Q99698	428865.6	7.47E-03
390	SMO_HUMAN (Q99835) Smoothed homolog precursor (SMO) (Gx protein)	Q99835	86341.18	7.04E-05
391	Q99993 (Q99993) WUGSC:H_2G3A.1 protein	Q99993	60051.64	4.36E-03
392	OSR10_HUMAN (Q9BXB5) Oxysterol binding protein-related protein 10 (OSBP-relatec	Q9BXB5	83917.38	7.10E-03
393	EMR3_HUMAN (Q9BY15) EGF-like module containing mucin-like hormone receptor-III	Q9BY15	72545.69	6.97E-03
394	Q9BYJ0 (Q9BYJ0) Ksp37 (HBp17-related protein)	Q9BYJ0	24565.15	6.42E-04
395	OSR7_HUMAN (Q9BZF2) Oxysterol binding protein-related protein 7 (OSBP-related	Q9BZF2	95371.7	3.33E-04
396	Q9BZH2 (Q9BZH2) False p73 target protein	Q9BZH2	53043.29	2.66E-03
397	PHAR1_HUMAN (Q9C0D0) Phosphatase and actin regulator 1	Q9C0D0	54573.55	2.72E-04
398	Q9C0D4 (Q9C0D4) KIAA1729 protein (Fragment)	Q9C0D4	113646.6	1.84E-03
399	DDX24_HUMAN (Q9GZR7) ATP-dependent RNA helicase DDX24 (DEAD-box protein	Q9GZR7	98271.52	7.26E-03
400	Q9GZT6 (Q9GZT6) MDS011 (Hypothetical protein MDS025)	Q9GZT6	29453.17	4.53E-03
401	Q9H0J7 (Q9H0J7) Hypothetical protein DKFZp434F0116	Q9H0J7	53323.07	2.81E-04
402	GHITM_HUMAN (Q9H3K2) Growth hormone inducible transmembrane protein (Derme	Q9H3K2	37180.59	4.28E-03
403	Q9H3M9 (Q9H3M9) Homo sapiens (Fragment)	Q9H3M9	39581.41	5.36E-03
404	RANB3_HUMAN (Q9H6Z4) Ran-binding protein 3 (RanBP3)	Q9H6Z4	60173.32	3.82E-03
405	SMYD3_HUMAN (Q9H7B4) SET and MYND domain-containing protein 3 (EC 2.1.1.43	Q9H7B4	49050.59	5.56E-03
406	Q9H7C4 (Q9H7C4) Hypothetical protein FLJ21054	Q9H7C4	17715.02	8.68E-03
407	COG4_HUMAN (Q9H9E3) Conserved oligomeric Golgi complex component 4	Q9H9E3	88038.48	9.55E-03
408	UBP29_HUMAN (Q9HBJ7) Ubiquitin carboxyl-terminal hydrolase 29 (EC 3.1.2.15) (U	Q9HBJ7	104090.1	1.22E-03
409	Q9HBY0 (Q9HBY0) Putative superoxide-generating NADPH oxidase Mox2 (NADPH o)	Q9HBY0	64893.13	4.96E-03
410	SYTL2_HUMAN (Q9HCH5) Synaptotagmin-like protein 2 (Exophilin-4)	Q9HCH5	100734.4	8.61E-04
411	Q9NR16 (Q9NR16) Scavenger receptor cysteine-rich type 1 protein M160 precursor	Q9NR16	159159.5	6.17E-03
412	SPTN5_HUMAN (Q9NRC6) Spectrin beta chain, brain 4 (Spectrin, non-erythroid beta	Q9NRC6	416577.2	3.96E-04
413	DC13_HUMAN (Q9NRP2) UPF0287 protein DC13	Q9NRP2	9453.72	2.81E-03
414	Q9NS87 (Q9NS87) Kinesin-like protein 2	Q9NS87	160060.4	4.45E-03
415	Q9NSN6 (Q9NSN6) Hypothetical protein DKFZp761O0113	Q9NSN6	39970.1	6.56E-03
416	EMIL3_HUMAN (Q9NT22) EMILIN-3 precursor (EMILIN-5) (Elastin microfibril interf	Q9NT22	82595.73	3.69E-03
417	UGGG1_HUMAN (Q9NYU2) UDP-glucose:glycoprotein glucosyltransferase 1 precursc	Q9NYU2	174866.5	3.83E-03
418	T2R14_HUMAN (Q9NYV8) Taste receptor type 2 member 14 (T2R14) (Taste receptor	Q9NYV8	36136.48	1.33E-03

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【表 10 - 7】

419	COMD9_HUMAN (Q9P000) COMM domain containing protein 9	Q9P000	21904.53	4.29E-04
420	VPS18_HUMAN (Q9P253) Vacuolar protein sorting 18 (hVPS18)	Q9P253	110115.9	7.01E-03
421	RBP1_HUMAN (Q9P2E9) Ribosome-binding protein 1 (Ribosome receptor protein) (-	Q9P2E9	152380	4.24E-03
422	SUCB1_HUMAN (Q9P2R7) Succinyl-CoA ligase [ADP-forming] beta-chain, mitochondri	Q9P2R7	50299.33	8.47E-03
423	GT2D1_HUMAN (Q9UHL9) General transcription factor II-I repeat domain-containin	Q9UHL9	105980.8	4.56E-03
424	Q9UI74 (Q9UI74) PRO0245	Q9UI74	8075.004	7.12E-04
425	SFBI3_HUMAN (Q9UIV8) Serpin B13 (Hurpin) (HaCat UV-repressible serpin) (Protes	Q9UIV8	44248.2	8.72E-04
426	HOOK1_HUMAN (Q9UJC3) Hook homolog 1 (h-hook1) (hHK1)	Q9UJC3	84594.84	9.77E-03
427	DKKL1_HUMAN (Q9UK85) Dickkopf-like protein 1 precursor (Soggy-1 protein) (SGY-1	Q9UK85	26990.23	1.36E-04
428	PADI3_HUMAN (Q9ULW8) Protein-arginine deiminase type III (EC 3.5.3.15) (Peptid	Q9ULW8	74895.37	9.91E-04
429	MLL4_HUMAN (Q9UMN6) Myeloid/lymphoid or mixed-lineage leukemia protein 4 (Trit	Q9UMN6	293327.3	9.43E-03
430	GPR34_HUMAN (Q9UPC5) Probable G-protein coupled receptor 34	Q9UPC5	43831.09	8.71E-03
431	Q9UQ10 (Q9UQ10) Dimeric dihydrodiol dehydrogenase (EC 1.3.1.20)	Q9UQ10	36358.77	9.73E-03
432	SHOC2_HUMAN (Q9UQ13) Leucine-rich repeat protein SHOC-2 (Ras-binding protein	Q9UQ13	64847.64	3.26E-03
433	AT11B_HUMAN (Q9Y2G3) Probable phospholipid-transporting ATPase IF (EC 3.6.3.1	Q9Y2G3	134104.1	9.84E-03
434	PCDG7_HUMAN (Q9Y5G6) Protocadherin gamma A7 precursor (PCDH-gamma-A7)	Q9Y5G6	101659.2	2.96E-03
435	PCDA2_HUMAN (Q9Y5H9) Protocadherin alpha 2 precursor (PCDH-alpha2)	Q9Y5H9	102000.4	6.28E-03
436	Q9Y5S5 (Q9Y5S5) DNA polymerase epsilon catalytic subunit protein isoform a	Q9Y5S5	262846.1	9.10E-03
437	SO1B1_HUMAN (Q9Y6L6) Solute carrier organic anion transporter family member 1B	Q9Y6L6	76398.98	1.51E-03

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【表 1 1 - 1】

【表 1 1: 網膜剥離症 (RD) および黄斑孔 (MH) の患者から同定された硝子体タンパク質】

438	Serotransferrin precursor	P02787	76999.66	4.22E-14
439	Serum albumin precursor	P02768	69321.63	1.00E-30
440	Hypothetical protein	Q56917	20655.36	1.27E-07
441	Transferrin precursor	P02766	15877.06	1.00E-30
442	Interphotoreceptor retinoid-binding protein precursor	P10745	135277.8	1.00E-30
443	Keratin, type II cytoskeletal 1	P04284	65846.88	9.37E-12
444	Clusterin precursor	P10909	52461.05	3.33E-12
445	Alpha-1-acid glycoprotein 1 precursor	P02763	23496.77	5.78E-12
446	PH domain containing protein	Q8TD55	53317.19	3.94E-05
447	Ig gamma-1 chain C region	P01857	36083.16	4.94E-13
448	Apolipoprotein A-I precursor	P02647	30758.94	3.44E-14
449	Hemopexin precursor	P02790	51643.32	8.88E-15
450	Keratin, type I cytoskeletal 10	P13645	59482.76	1.51E-09
451	Transcription factor NF-E4	Q86JQ8	19006.73	1.59E-04
452	Apolipoprotein A-II precursor	P02652	11167.9	5.95E-12
453	Keratin 10	Q14664	57212.99	1.11E-15
454	Hemoglobin delta subunit	P02042	15914.25	1.78E-14
455	Pigment epithelium-derived factor precursor	P36955	46313.36	1.93E-10
456	Alpha-1-antitrypsin precursor	P01009	46707.09	8.88E-15
457	Alpha 2 globin variant	Q53F97	15270.94	1.89E-12
458	Hypothetical protein FLJ42076	Q6ZVU4	21036.72	8.88E-05
459	Nuclear receptor-interacting factor	Q8WY14	52754.03	1.57E-03
460	Keratin, type II cytoskeletal 1b	Q7Z794	61650.4	2.57E-06
461	Hypothetical protein FLJ40259	Q8N7W7	66086.88	1.29E-04
462	Keratin, type II cytoskeletal	P35908	65825.37	2.77E-09
463	Beta-globin gene from a thalassemia patient	Q14473	18918.59	2.17E-12
464	HNRBF-2	Q9H212	31787.43	5.30E-05
465	Dickkopf-related protein 3 precursor	Q9JBP4	38286.07	2.33E-08
466	Double-stranded RNA-binding protein	Q95793	63227.92	1.39E-04
467	Complement C4-A precursor	P0C0L4	192649.5	4.22E-14
468	Hypothetical protein	Q6PHR9	9188.304	6.10E-04
469	Vacuolar protein sorting 13A	Q96RL7	360046.1	9.97E-04
470	Hypothetical protein DKFZp686i04196	Q6N093	46031.66	1.25E-11
471	Vitamin D-binding protein	Q6GTG1	52902.04	2.26E-10

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【表 1 1 - 2】

472	KIAA1200 protein	Q8ULM0	155607.6	1.07E-03
473	Tumor necrosis factor	Q5VWH1	20099.21	1.04E-03
474	PML-RARA regulated adaptor molecule	Q8NGW7	73950.18	1.05E-03
475	Hypothetical protein DKFZp686J11235	Q6MZW0	54424.95	4.12E-10
476	Tuberin (Tuberous sclerosis 2 protein)	P49815	200621.4	7.82E-05
477	Kallikrein-14 precursor	Q9P0G3	27434.89	1.67E-04
478	K1C9_HUMAN (P35527) Keratin, type I cytoskeletal 9 (Cytokeratin-9) (CK-9) (Kera	P35527	62091.76	2.20E-12
479	IGKC protein	Q502W4	25919.92	1.11E-15
480	Zinc finger protein 185	O15231	49156.87	4.36E-03
481	IGLC2 protein	Q567P1	24784.13	1.61E-13
482	Receptor-type tyrosine-protein phosphatase delta	P23468	214623.5	2.34E-03
483	ADAMTS-12 precursor	P58397	177429.5	2.30E-04
484	Complement C3 precursor	P01024	187045.3	5.42E-11
485	Adenylyl cyclase type V	Q7RTV7	39312.25	1.51E-04
486	Hypothetical protein TMEM55A	Q8N4L2	28062.26	3.73E-05
487	Cytochrome P450, family 20, subfamily A,	Q8WWA9	52460.08	2.11E-06
488	Ceruloplasmin precursor	P00450	122127.6	1.11E-12
489	Colony stimulating factor 2 receptor	Q4V312	46871.63	7.80E-05
490	Hypothetical protein FLJ35435	Q8NAF6	65308.66	1.80E-05
491	Hypothetical protein FAM33A	Q8WVK7	14179.33	1.51E-03
492	Alpha-2-macroglobulin precursor	P01023	163174.3	5.36E-09
493	RhoGTPase regulating protein variant	Q6RJU1	130153.4	5.25E-04
494	SGCE_HUMAN (Q43556) Epsilon-sarcoglycan precursor (Epsilon-SG)	O43556	49722.25	2.18E-04
495	Intercellular adhesion molecule 3 precursor	P32942	59345.85	2.21E-03
496	Proto-oncogene tyrosine-protein kinase	P07332	93412.31	4.63E-05
497	Calcium-independent phospholipase A2	Q9NP80	88421.11	2.83E-03
498	WD-repeat protein 9	Q9NSI6	257060.4	1.15E-03
499	Ig gamma-3 chain C region	P01860	32309.81	2.03E-09
500	Dystroglycan precursor	Q14118	97519.91	1.67E-03
501	LOC150763 protein	Q6NUI2	87507.18	7.57E-05
502	Osteopontin precursor	P10451	35401.25	5.20E-10
503	Q6ZTG8 (Q6ZTG8) Hypothetical protein FLJ46670	Q6ZTG8	115755	3.09E-03
504	Apolipoprotein E precursor	P02649	36131.79	3.48E-08
505	Novel protein	Q577N3	107275.7	1.60E-03
506	Hypothetical protein FLJ40243	Q7Z745	180566.4	1.50E-03
507	Hypothetical protein DKFZp434I138	Q659E3	78784.1	2.57E-04

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【表 1 1 - 3】

508	Hypothetical protein FLJ43007	Q6ZV44	19332.49	1.02E-04
509	Protein C19orf10 precursor (Stromal cell-derived GF)	Q969H8	18783.32	2.10E-03
510	Q9NXX0 (Q9NXX0) Hypothetical protein FLJ20202	Q9NXX0	44899.86	1.52E-03
511	Basement membrane-specific heparan sulfate proteoglycan	P98160	468528.2	4.04E-04
512	Q95978 (Q95978) VH1 protein precursor (Fragment)	Q95978	17292.5	1.17E-07
513	Alpha-2-HS-glycoprotein precursor	P02765	39299.73	1.29E-06
514	Cytochrome P450	P10635	55766.2	4.19E-04
515	Zinc finger protein 197	O14709	118770.8	4.48E-04
516	Q8N7Q3 (Q8N7Q3) Hypothetical protein FLJ40479	Q8N7Q3	45893.4	1.50E-03
517	Trichohyalin	Q07283	247074.4	2.97E-03
518	Hypothetical protein FLJ44832	Q6ZQT3	139335.1	2.50E-03
519	Hypothetical protein KIAA1505	Q8IYE0	112734.9	2.15E-03
520	G patch domain containing protein 3	Q96I76	59301.11	2.28E-03
521	ADAM 28 precursor	Q9UKQ2	87151.09	2.62E-04
522	Beta-2-glycoprotein I precursor	P02749	38272.67	3.39E-08
523	Alpha-interixin	Q16352	55357.48	6.89E-04
524	Q684R2 (Q684R2) Para-hydroxybenzoate-polyprenyltransferase, mitochondrial (EC	Q684R2	45578.79	3.25E-03
525	Q9Y2W9 (Q9Y2W9) Endocrine regulator	Q9Y2W9	231761.3	1.57E-04
526	G protein-activated inward rectifier potassium channel 1	P48549	56586.8	4.27E-04
527	Keratin, type I cytoskeletal 12	Q99456	53478.53	7.68E-06
528	Gelsolin precursor	P06396	85644.25	2.02E-04
529	TSP2_HUMAN (P35442) Thrombospondin-2 precursor	P35442	129871.5	3.33E-04
530	Transmembrane channel-like protein 7	Q7Z402	83447.49	2.53E-03
531	Protein KIAA1198 precursor	Q8WUJ3	152900	1.11E-03
532	Filamin-A	P21333	280583.4	1.64E-03
533	Prostaglandin-H2 D-isomerase	P41222	21015.35	3.34E-10
534	HSAL5836	Q6UW99	9682.161	2.94E-03
535	Hypothetical protein gs80	Q96S02	25483.99	9.47E-04
536	AACT_HUMAN (P01011) Alpha-1-antichymotrypsin precursor (ACT) [Contains: Alpha-	P01011	47620.63	2.48E-04
537	MRP1_HUMAN (P33527) Multidrug resistance-associated protein 1 (ATP-binding cas	P33527	171450.5	1.77E-03
538	Keratin, type II cytoskeletal 2	Q01546	65830.09	4.77E-04
539	Maguin-like protein variant II	Q5SGD5	61848.88	1.71E-03
540	Q6PHR8 (Q6PHR8) Hypothetical protein (Fragment)	Q6PHR8	33452.8	2.10E-03
541	Q8NDD1 (Q8NDD1) Hypothetical protein DKFZp547B1713	Q8NDD1	32732.49	5.52E-03
542	Q9H6E6 (Q9H6E6) Hypothetical protein FLJ22346	Q9H6E6	81825.66	1.41E-03
543	Mitochondrial 28S ribosomal protein S2	Q9Y399	33228.08	5.60E-05

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【表 1 1 - 4】

544	Supervillin	Q95425	247550.6	5.54E-03
545	RETBP_HUMAN (P02753) Plasma retinol-binding protein precursor (PRBP) (RBP) [Cc	P02753	22995.26	1.36E-03
546	Ubiquitin conjugation factor E4	Q14139	122482	7.16E-05
547	Q9ULI2 (Q9ULI2) KIAA1238 protein (Fragment)	Q9ULI2	45141.04	2.40E-03
548	HYES_HUMAN (P34913) Epoxide hydrolase 2 (EC 3.3.2.3) (Soluble epoxide hydrolas	P34913	62574.77	4.29E-04
549	MYO7A_HUMAN (Q13402) Myosin-7A (Myosin VIIa)	Q13402	254242.5	8.23E-04
550	PCSK5_HUMAN (Q92824) Proprotein convertase subtilisin/kexin type 5 precursor (	Q92824	101708.3	2.56E-04
551	TR10A_HUMAN (O00220) Tumor necrosis factor receptor superfamily member 10A pr	O00220	50028.81	3.21E-04
552	TBC1 domain family member 4 (Akt substrate)	O60343	146470.8	7.09E-04
553	Dual specificity protein phosphatase 5	Q16690	42080.39	2.53E-04
554	TRPM8_HUMAN (Q7Z2W7) Transient receptor potential cation channel subfamily M m	Q7Z2W7	127573.3	7.59E-04
555	RUN domain containing 1	Q8IXT9	67603.02	2.55E-03
556	Q8NHQ3 (Q8NHQ3) RBBP8 protein	Q8NHQ3	102594.6	6.21E-05
557	GCN1-like protein 1 (HsGCN1)	Q92616	292424.8	5.09E-03
558	ZIC2_HUMAN (O95409) Zinc finger protein ZIC 2 (Zinc finger protein of the cere	O95409	54971.09	2.32E-03
559	Q702P2 (Q702P2) VPS13C-2B protein	Q702P2	407940.5	4.75E-03
560	MINT_HUMAN (Q96T58) Mx2-interacting protein (SPEN homolog) (SMART/HDAC1 :	Q96T58	402004.3	2.49E-03
561	COPG2_HUMAN (Q9UBF2) Coatamer gamma-2 subunit (Gamma-2 coat protein) (Ga	Q9UBF2	97559.69	1.54E-03
562	CYTC_HUMAN (P01034) Cystatin C precursor (Neuroendocrine basic polypeptide) (Gi	P01034	15789.08	2.77E-05
563	Q8TBE7 (Q8TBE7) TMEM22 protein	Q8TBE7	46419.88	7.86E-03
564	K2C6A_HUMAN (P02538) Keratin, type II cytoskeletal 6A (Cytokeratin-6A) (CK 6A)	P02538	59877.28	7.41E-07
565	VTNC_HUMAN (P04004) Vitronectin precursor (Serum spreading factor) (S-protein)	P04004	54271.23	5.97E-08
566	OPT_HUMAN (Q9UBM4) Opticin precursor (Oculoglycan)	Q9UBM4	37237.39	4.68E-07
567	Q15299 (Q15299) RARB protein	Q15299	11644	2.59E-04
568	Q8N780 (Q8N780) Hypothetical protein FLJ25943	Q8N780	33347.2	8.78E-04
569	Q8N8Z1 (Q8N8Z1) Hypothetical protein FLJ38687	Q8N8Z1	16623.52	1.10E-03
570	IPO9_HUMAN (Q96P70) Importin-9 (Imp9) (Ran-binding protein 9) (RanBP9)	Q96P70	115757.8	7.94E-04
571	SYP2L_HUMAN (Q9H987) Synaptopodin 2-like protein	Q9H987	102406.1	7.97E-03
572	TLR5_HUMAN (O60602) Toll-like receptor 5 precursor (Toll/interleukin-1 receptor	O60602	97683.38	3.64E-03
573	A1AG2_HUMAN (P19652) Alpha-1-acid glycoprotein 2 precursor (AGP 2) (Orosomucc	P19652	23587.64	4.46E-06
574	PSME3_HUMAN (P61289) Proteasome activator complex subunit 3 (Proteasome activ	P61289	29487.55	3.26E-03
575	ADIP_HUMAN (Q9Y2D8) Afadin- and alpha-actinin-binding protein (ADIP) (Afadin D	Q9Y2D8	71191.48	2.87E-03
576	PDE6A_HUMAN (P16499) Rod cGMP-specific 3',5'-cyclic phosphodiesterase alpha-su	P16499	99438.76	4.04E-03
577	TCPQ_HUMAN (P50990) T-complex protein 1, theta subunit (TCP-1-theta) (CCT-thet	P50990	59451.57	2.31E-03
578	Q7KZ97 (Q7KZ97) Antithrombin III variant	Q7KZ97	52657.96	3.10E-06
579	Q86W13 (Q86W13) NOD27	Q86W13	204535	2.47E-03

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【表 1 1 - 5】

580	Q969T7 (Q969T7) Hypothetical protein MGC20781	Q969T7	33551.02	5.37E-03
581	DGC14_HUMAN (Q96DF8) DGC14 protein (DiGeorge syndrome critical region 14) (I	Q96DF8	52535.89	5.80E-04
582	Q96LU7 (Q96LU7) Hypothetical protein FLJ25056	Q96LU7	31208.16	1.08E-03
583	PCDA7_HUMAN (Q9UN72) Protocadherin alpha 7 precursor (PCDH-alpha7)	Q9UN72	100802.9	3.78E-03
584	RHG26_HUMAN (Q9UNA1) Rho-GTPase-activating protein 26 (Oligophrenin-1-like pr	Q9UNA1	92176.67	4.55E-03
585	TF2AY_HUMAN (Q9UNN4) TFIIA-alpha and beta-like factor (General transcription f	Q9UNN4	52412.98	4.50E-03

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【表 1 2 - 1】

表 1 2

網膜剥離症および黄斑孔の両方であると診断された患者において同定されたタンパク質

SEQUEST フィルター: p prob<0.01; Xcorr 対 荷電状態: [M+H]¹⁺について 1.5, [M+2H]²⁺について 2.0, [M+3H]³⁺について 2.5; DCn>0.1

	病歴	患者	参考	P (確率)	MW	アクション シヨソ	ペプチド (的中)	Is in 10 paid in 50 runs	
1	RD_MH	GFILAEBD Serotransferrin precursor		4.22E-14	76999.66	P02787	20	10	50
2	RD_MH	GLHBACE Serum albumin precursor		1.00E-30	69321.63	P02768	11	10	50
3	RD_MH	LGHACDE Hypothetical protein		1.27E-07	20655.36	Q56917	3	7	46
4	RD_MH	LIFGECBA Transferrin precursor		1.00E-30	15877.05	P02766	4	10	43
5	RD_MH	BDACHILF Interleukin receptor type II protein precursor		1.00E-30	135277.8	P10745	1	10	43
6	RD_MH	LGHCBD Keratin, type II cytoskeletal 1		9.37E-12	65846.88	P04264	7	6	41
7	RD_MH	BDECLFG Clusterin precursor		3.33E-12	52461.05	P10909	9	10	40
8	RD_MH	FGLDAEC Alpha-1-acid glycoprotein 1 precursor		5.78E-12	23496.77	P02763	2	6	32
9	RD_MH	GIHCADE PH domain containing protein		3.94E-05	53317.19	Q8TD55	1	5	32
10	RD_MH	BCDEFHG Ig gamma-1 chain C region		4.94E-13	36083.16	P01857	8	7	30
11	RD_MH	FGIHAEB Apolipoprotein A-I precursor		3.44E-14	30758.94	P02647	9	5	28
12	RD_MH	EBDCFLH Hemopexin precursor		8.88E-15	51643.32	P02790	4	6	27
13	RD_MH	DBALGFH Keratin, type I cytoskeletal 10		1.51E-09	59482.76	P13645	1	4	26
14	RD_MH	IGLCDEA Transcription factor NF-E4		1.59E-04	19006.73	Q86UQ8	1	6	25
15	RD_MH	EAABFGH Apolipoprotein A-II precursor		5.95E-12	11167.9	P02652	1	5	25
16	RD_MH	FHGBCD Keratin 10		1.11E-15	57212.99	Q14604	1	6	24
17	RD_MH	BDFH Hemoglobin delta subunit		1.78E-14	15914.25	P02042	13	3	24
18	RD_MH	BEALHGF Erythrocyte-derived factor precursor		1.93E-10	46313.36	P36955	8	4	22
19	RD_MH	IECDBFG Alpha-1-antitrypsin precursor		8.88E-15	46707.09	P01009	4	7	21
20	RD_MH	FHGIDBC Alpha 2 globin variant		1.89E-12	15270.94	Q53F97	5	6	21
21	RD_MH	ILHGAECI Hypothetical protein FLJ42076		8.88E-05	21036.72	Q6ZVU4	1	6	21
22	RD_MH	ILGIAECBI Nuclear receptor-interacting factor		1.57E-03	52754.03	Q8WY14	1	5	21
23	RD_MH	DAECHLIC Keratin, type II cytoskeletal 1b		2.57E-06	61650.4	Q7Z794	2	9	20
24	RD_MH	ADCEGHII Hypothetical protein FLJ40259		1.29E-04	66086.88	Q8N7W7	1	5	19
25	RD_MH	HGLFBA Keratin, type II cytoskeletal		2.77E-09	65825.37	P35908	1	9	17
26	RD_MH	BDFH Beta globin gene from thalassemia patient		2.17E-12	18918.59	Q14473	10	6	17
27	RD_MH	ECDAGIHI HNRBF-2		5.30E-05	31787.43	Q9H212	1	6	15
28	RD_MH	ABHFLI Dickkopf-related protein 3 precursor		2.33E-08	38266.07	Q9UBP4	3	5	15
29	RD_MH	DECALHG Double-stranded RNA-binding protein		1.39E-04	63227.92	Q95793	1	5	14
30	RD_MH	ABEDGHF Complement C4-A precursor		4.22E-14	192649.5	P0C0L4	1	6	13
31	RD_MH	IGLHCD Hypothetical protein		6.10E-04	9188.304	Q6PHR9	1	6	13
32	RD_MH	BCDGLI Vacuolar protein sorting 13A		9.97E-04	360046.1	Q96RL7	1	5	13

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【表 1 2 - 2】

33	RD_MH	ABFLIH	Hypothetical protein DKFZp686I04196	1.25E-11	46031.66	Q6N093	6	3	13
34	RD_MH	FHGAE	Vitamin D-binding protein	2.26E-10	52902.04	Q6GTG1	1	7	12
35	RD_MH	ILHEDCA	KIAA1200 protein	1.07E-03	155607.6	Q9ULM0	2	4	12
36	RD_MH	ECALFHL	Tumor necrosis factor	1.04E-03	20099.21	Q5VWH1	1	4	12
37	RD_MH	GLDCEAF	PML-RARA regulated adaptor molecule	1.05E-03	73950.18	Q8N6W7	1	4	12
38	RD_MH	FGDBCA	Hypothetical protein DKFZp686I11235	4.12E-10	54424.95	Q6MZW0	4	6	11
39	RD_MH	ACEILFG	Tuberin (Tuberous sclerosis 2 protein)	7.82E-05	200621.4	P49815	1	4	11
40	RD_MH	CAEGHL	Kallikrein-14 precursor	1.67E-04	27434.89	Q9P0G3	1	4	11
41	RD_MH	BGLFH	K1C9_HUMAN (P35527) Keratin, type I cytoskeletal	2.20E-12	62091.76	P35527	2	3	11
42	RD_MH	FHGIA	IGKC protein	1.11E-15	25919.92	Q502W4	3	7	10
43	RD_MH	AEDCBGI	Zinc finger protein 185	4.35E-03	49156.87	O15231	1	8	9
44	RD_MH	FHBA	IGLC2 protein	1.61E-13	24784.13	Q567P1	3	7	9
45	RD_MH	FIGEC	Receptor-type tyrosine-protein phosphatase delta	2.34E-03	214623.5	P23468	1	6	9
46	RD_MH	CDAEH	ADAMTS-12 precursor	2.30E-04	177429.5	P58397	1	5	9
47	RD_MH	ABDFG	Complement C3 precursor	5.42E-11	187045.3	P01024	1	4	9
48	RD_MH	GHLB	Adenylyl cyclase type V	1.51E-04	39312.25	Q7RTV7	1	4	9
49	RD_MH	HLIGBD	Hypothetical protein TMEM55A	3.73E-05	28062.26	Q8N4L2	1	9	8
50	RD_MH	HILD	Cytochrome P450, family 20, subfamily A,	2.11E-06	52460.08	Q8WWA9	1	8	8
51	RD_MH	BAEF	Ceruloplasmin precursor	1.11E-12	122127.6	P00450	3	6	8
52	RD_MH	EDCBG	Colony stimulating factor 2 receptor	7.80E-05	46871.63	Q4V312	1	5	8
53	RD_MH	IGHACB	Hypothetical protein FLJ35435	1.80E-05	65308.66	Q8NAF6	1	5	8
54	RD_MH	GHILAC	Hypothetical protein FAM33A	1.51E-03	14179.33	Q8WVK7	1	5	8
55	RD_MH	LBA	Alpha-2-macroglobulin precursor	5.36E-09	163174.3	P01023	2	3	8
56	RD_MH	HFAB	RhoGTPase regulating protein variant	5.25E-04	130153.4	Q8RJU1	1	3	8
57	RD_MH	AHIG	SGCE_HUMAN (O43556) Epsilon-sarcoglycan pr	2.18E-04	49722.25	O43556	1	2	8
58	RD_MH	GHLABE	Intercellular adhesion molecule 3 precursor	2.21E-03	59345.85	P32942	1	6	7
59	RD_MH	ECHLG	Proto-oncogene tyrosine-protein kinase	4.63E-05	93412.31	P07332	1	5	7
60	RD_MH	ECGIL	Calcium-independent phospholipase A2	2.83E-03	88421.11	Q9NP80	1	5	7
61	RD_MH	HLGDCB	WD-repeat protein 9	1.15E-03	257060.4	Q9NSI6	1	5	7
62	RD_MH	FBA	Ig gamma-3 chain C region	2.03E-09	32309.81	P01860	1	4	7
63	RD_MH	ILEAD	Dystroglycan precursor	1.67E-03	97519.91	Q14118	2	3	7
64	RD_MH	CAF	LOC150763 protein	7.57E-05	87507.18	Q8NUJ2	1	3	7
65	RD_MH	LAB	Osteopontin precursor	5.20E-10	35401.25	P10451	1	2	7
66	RD_MH	GEC	Q6ZTG8 (Q6ZTG8) Hypothetical protein FLJ4467	3.09E-03	115755	Q6ZTG8	1	2	7
67	RD_MH	LHFB	Apolipoprotein E precursor	3.48E-08	36131.79	P02649	1	8	6
68	RD_MH	LGHE	Novel protein	1.60E-03	107275.7	Q5T7N3	1	7	6
69	RD_MH	BCEIH	Hypothetical protein FLJ40243	1.50E-03	180566.4	Q7Z745	1	7	6

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【表 1 2 - 3】

70	RD_MH	EDCBH	Hypothetical protein DKFZp434f138	2.57E-04	78784.1	Q659E3	1	6	6
71	RD_MH	EDG	Hypothetical protein FLJ43007	1.02E-04	19332.49	Q6ZV44	1	6	6
72	RD_MH	HIGAD	Protein C19orf10 precursor (Stromal cell-derived	2.10E-03	18783.32	Q969H8	1	4	6
73	RD_MH	GCE	Q9NXX0 (Q9NXX0) Hypothetical protein FLJ2021	1.52E-03	44999.86	Q9NXX0	1	4	6
74	RD_MH	CEGH	Basement membrane-specific heparan sulfate pr	4.04E-04	468528.2	P98160	1	3	6
75	RD_MH	AF	O95978 (O95978) VH1 protein precursor (Fragm	1.17E-07	17292.5	O95978	1	2	6
76	RD_MH	FGA	Alpha-2-HS-glycoprotein precursor	1.29E-06	39299.73	P02765	2	7	5
77	RD_MH	AEF	Cytochrome P450	4.19E-04	55766.2	P10635	1	7	5
78	RD_MH	HLIAB	Zinc finger protein 197	4.48E-04	118770.8	O14709	1	5	5
79	RD_MH	FBCA	Q8N7Q3 (Q8N7Q3) Hypothetical protein FLJ4047	1.50E-03	45893.4	Q8N7Q3	1	5	5
80	RD_MH	CAHG	Trichohyalin	2.97E-03	247074.4	Q07283	1	4	5
81	RD_MH	IHBD	Hypothetical protein FLJ4832	2.50E-03	139335.1	Q6ZQT3	1	4	5
82	RD_MH	ILE	Hypothetical protein KIAA1505	2.15E-03	112734.9	Q8IYE0	1	4	5
83	RD_MH	CDEI	G patch domain containing protein 3	2.28E-03	59301.11	Q96I76	1	4	5
84	RD_MH	CDHLI	ADAM 28 precursor	2.62E-04	87151.09	Q9UKQ2	1	4	5
85	RD_MH	FB	Beta-2-glycoprotein I precursor	3.39E-08	38272.67	P02749	1	3	5
86	RD_MH	GHADC	Alpha-interneurin	6.89E-04	55357.48	Q16352	1	3	5
87	RD_MH	CLH	Q684R2 (Q684R2) Para-hydroxybenzoate-poly	3.25E-03	45578.79	Q684R2	1	3	5
88	RD_MH	LGDE	Q9Y2W9 (Q9Y2W9) Endocrine regulator	1.57E-04	231761.3	Q9Y2W9	1	3	5
89	RD_MH	EDHL	G protein-activated inward rectifier potassium cha	4.27E-04	56586.8	P48549	1	6	4
90	RD_MH	LIB	Keratin, type I cytoskeletal 12	7.68E-06	53478.53	Q99456	1	6	4
91	RD_MH	FLB	Gelsolin precursor	2.02E-04	85644.25	P06396	1	5	4
92	RD_MH	AFIG	TSP2_HUMAN (P35442) Thrombospondin-2 prec	3.33E-04	129871.5	P35442	1	5	4
93	RD_MH	ECAH	Transmembrane channel-like protein 7	2.53E-03	83447.49	Q7Z402	1	5	4
94	RD_MH	BADF	Protein KIAA1199 precursor	1.11E-03	152900	Q8WUJ3	1	5	4
95	RD_MH	HGDE	Filamin-A	1.64E-03	280583.4	P21333	1	4	4
96	RD_MH	ABF	~~Prostaglandin-H2O isomerase~~	3.34E-10	21015.35	P41222	1	4	4
97	RD_MH	FIE	HSAL5836	2.94E-03	9882.161	Q6UW99	1	4	4
98	RD_MH	DBHL	Hypothetical protein gs80	9.47E-04	25483.99	Q96S02	1	4	4
99	RD_MH	BHL	AACT_HUMAN (P01011) Alpha-1-antichymotryp	2.48E-04	47620.63	P01011	1	3	4
100	RD_MH	AGIF	~~MIRP2_HUMAN (P33522) Mitochondrial resistance~~	1.77E-03	171450.5	P33527	1	3	4
101	RD_MH	FB	Keratin, type II cytoskeletal 2	4.77E-04	65830.09	Q01546	1	3	4
102	RD_MH	DEGF	Maguin-like protein variant II	1.71E-03	61848.88	Q5SGD5	1	3	4
103	RD_MH	LB	Q6PHR8 (Q6PHR8) Hypothetical protein (Fragm	2.10E-03	33452.8	Q6PHR8	1	3	4
104	RD_MH	LGED	Q8NDD1 (Q8NDD1) Hypothetical protein DKFZp1	5.52E-03	32732.49	Q8NDD1	1	3	4
105	RD_MH	FCA	Q9H6E6 (Q9H6E6) Hypothetical protein FLJ2234	1.41E-03	81825.66	Q9H6E6	1	2	4
106	RD_MH	ACI	Mitochondrial 28S ribosomal protein S2	5.60E-05	33228.08	Q9Y399	1	2	4

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【表 1 2 - 4】

107	RD_MH	BAL	Supervillin	5.54E-03	247550.6	O95425	1	6	3
108	RD_MH	AFG	<u>RET1B_HUMAN (P02753) Plasma retinol-binding</u>	1.36E-03	22995.26	P02753	1	6	3
109	RD_MH	GHA	Ubiquitin conjugation factor E4	7.16E-05	122482	Q14139	1	5	3
110	RD_MH	HEB	Q9ULI2 (Q9ULI2) KIAA1238 protein (Fragment)	2.40E-03	45141.04	Q9ULI2	1	5	3
111	RD_MH	LEA	HYES_HUMAN (P34913) Epoxide hydrolase 2 (E	4.29E-04	62574.77	P34913	1	4	3
112	RD_MH	ELH	MYO7A_HUMAN (Q13402) Myosin-V (Myosin V	8.23E-04	254242.5	Q13402	1	4	3
113	RD_MH	LIA	PCSK5_HUMAN (Q92824) Proprotein convertase	2.56E-04	101708.3	Q92824	1	4	3
114	RD_MH	IAD	TR10A_HUMAN (O00220) Tumor necrosis factor	3.21E-04	50028.81	O00220	1	3	3
115	RD_MH	DAF	TBC1 domain family member 4 (Akt substrate)	7.09E-04	146470.8	O60343	1	3	3
116	RD_MH	BAH	Dual specificity protein phosphatase 5	2.53E-04	42080.39	Q16690	1	3	3
117	RD_MH	GHA	TRPM8_HUMAN (Q7Z2W7) Transient receptor p	7.58E-04	127573.3	Q7Z2W7	1	3	3
118	RD_MH	CEI	RUN domain containing 1	2.55E-03	67603.02	Q8IXT9	1	3	3
119	RD_MH	LHB	Q8NHQ3 (Q8NHQ3) RBBP8 protein	6.21E-05	102594.6	Q8NHQ3	1	3	3
120	RD_MH	CEF	GCN1-like protein 1 (HsGCN1)	5.09E-03	292424.8	Q92616	1	3	3
121	RD_MH	LEC	ZIC2_HUMAN (O95409) Zinc finger protein ZIC	2.32E-03	54971.09	O95409	1	2	3
122	RD_MH	FE	Q702P2 (Q702P2) VPS13C-2B protein	4.75E-03	407940.5	Q702P2	1	2	3
123	RD_MH	CLH	MINT_HUMAN (Q96T58) Mx2-interacting protein	2.49E-03	402004.3	Q96T58	1	2	3
124	RD_MH	FA	COPG2_HUMAN (Q9UBF2) Coatomer gamma-2	1.54E-03	97559.69	Q9UBF2	1	2	3
125	RD_MH	HA	CYTC_HUMAN (P01034) Cystatin C precursor (N	2.77E-05	15789.08	P01034	1	6	2
126	RD_MH	HB	Q8TBE7 (Q8TBE7) TMEM22 protein	7.86E-03	46419.88	Q8TBE7	1	6	2
127	RD_MH	LB	K2C6A_HUMAN (P02538) Keratin, type II cytosk	7.41E-07	59877.28	P02538	1	5	2
128	RD_MH	FB	VTNC_HUMAN (P04004) Vitronectin precursor (S	5.97E-08	54271.23	P04004	1	5	2
129	RD_MH	BL	<u>Q9UBM4_HUMAN (Q9UBM4) Optic precursor (Q9UB</u>	4.68E-07	37237.39	Q9UBM4	1	5	2
130	RD_MH	HE	Q15299 (Q15299) RARB protein	2.59E-04	11644	Q15299	1	4	2
131	RD_MH	EI	Q8N780 (Q8N780) Hypothetical protein FLJ2594	8.78E-04	33347.2	Q8N780	1	4	2
132	RD_MH	CH	Q8N8Z1 (Q8N8Z1) Hypothetical protein FLJ3868	1.10E-03	16623.52	Q8N8Z1	1	4	2
133	RD_MH	EG	IPO9_HUMAN (Q96P70) Importin-9 (Imp9) (Ran-	7.94E-04	115757.8	Q96P70	1	4	2
134	RD_MH	EG	<u>SYT2_HUMAN (Q9H987) Synaptobrevin-2-like</u>	7.97E-03	102406.1	Q9H987	1	4	2
135	RD_MH	EI	TLR5_HUMAN (O60602) Toll-like receptor 5 prec	3.64E-03	97663.38	O60602	2	3	2
136	RD_MH	BF	A1AG2_HUMAN (P19652) Alpha-1-acid glycopro	4.46E-06	23587.64	P19652	1	3	2
137	RD_MH	AH	PSME3_HUMAN (P61289) Proteasome activator	3.25E-03	29487.55	P61289	1	3	2
138	RD_MH	FC	ADIP_HUMAN (Q9Y2D8) Afadin- and alpha-actin	2.87E-03	71191.48	Q9Y2D8	1	3	2
139	RD_MH	CH	PDE6A_HUMAN (P16499) Rod cGMP-specific 3'	4.04E-03	99438.76	P16499	1	2	2
140	RD_MH	AI	TCPQ_HUMAN (P50990) T-complex protein 1, th	2.31E-03	59451.57	P50990	1	2	2
141	RD_MH	FC	Q7KZ97 (Q7KZ97) Antithrombin III variant	3.10E-06	52657.96	Q7KZ97	1	2	2
142	RD_MH	GE	Q86W13 (Q86W13) NOD27	2.47E-03	204535	Q86W13	1	2	2
143	RD_MH	AG	Q969T7 (Q969T7) Hypothetical protein MGC207	5.37E-03	33551.02	Q969T7	1	2	2

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【表 1 2 - 5】

144	RD_MH	EG	DGC14_HUMAN (Q96DF8)	DGCR14 protein (Dk 5.80E-04	52535.89	Q96DF8	1	2	2
145	RD_MH	AH	Q96LU7 (Q96LU7)	Hypothetical protein FLJ2505t	1.08E-03	31208.16	Q96LU7	1	2
146	RD_MH	IE	PCDA7_HUMAN (Q9JUN72)	Protocadherin alpha	3.78E-03	100802.9	Q9JUN72	1	2
147	RD_MH	FE	RHG26_HUMAN (Q9UNA1)	Rho-GTPase-activat	4.55E-03	92176.67	Q9UNA1	1	2
148	RD_MH	HA	TF2AY_HUMAN (Q9UNN4)	TFIIA-alpha and beta	4.50E-03	52412.98	Q9UNN4	1	2

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【表 1 3】

表 1 3: 同定されたタンパク質の機能および細胞内部位

(A) 黄斑

タンパク質	細胞内部位	機能
ソルチリン (sortilin) 関連受容体前駆体	膜	エンドサイトーシス受容体
ニューロン膜糖タンパク M6-a	膜	ニューロン発達
キネシン様タンパク質 KIF1A	シナプス小胞	軸索輸送
電圧依存性 T 型カルシウムチャネル $\alpha-1$ G サブユニット	膜	カルシウム流入/流出 横行小管および筋小胞体
リアノジン受容体 2 (心筋型リアノジン受容体)	膜	
SOX-12 タンパク質 (SOX-22 タンパク質)	核	非ヒストン DNA 結合
Frizzled 6 前駆体 (Frizzled-6) (Fz-6) (hFz6)	膜	細胞分化/形態形成
網膜芽細胞腫結合タンパク質 5 (RBBP-5)	核	転写
レチノイン酸受容体 α (RAR- α)	核	レチノイン酸受容体

(B) 網膜剥離症

タンパク質	細胞内部位	機能
LOC131076 タンパク質	未知	機能未知、コイルドコイルドメインタンパク質
T 細胞活性化 Rho GTPase-活性化タンパク質	細胞質	GTP-ase 活性化因子、T 細胞活性化
ハンチントン相互作用タンパク質 E	細胞質	シグナル伝達
シナプトタグミン-5 (シナプトタグミン V) (Syn)	シナプス小胞	カルシウム依存性エキソサイトーシス
ハンチントン関連タンパク質相互作用タンパク質	細胞質	シグナル伝達
VGFR2 血管内皮成長因子受容体 2 前駆体	膜	新脈管形成、血管透過性
シナプス前タンパク質 SAP97 (シナプス関連タンパク質 97)	細胞骨格	足場タンパク質
網膜芽細胞腫関連因子 600 (RBAF600) (フラグメント)	核	クロマチンリモデリングの可能性

【図面の簡単な説明】

【0215】

【図 1】図 1 は、生存患者ドナーから得られた硝子体液の $1 \mu l$ 中の眼のマーカーの確認を示す。バーの大きさは、示された分析物のためのサンプル中の、総タンパクと比較した場合の、増幅された抗体シグナルの相対的な濃度である。希釈曲線、標準物質、および対照に基づいて、測定されている分子の濃度が、バックグラウンドより高く、そしてその分析の線形範囲内にあることが、容易に評価され得る。

【図 2】図 2 は、その分析が検出範囲をとおして直線状であることを証明する、各分析物についての希釈曲線を示す。これらのデータは、これらの同定された分子の存在を最終的

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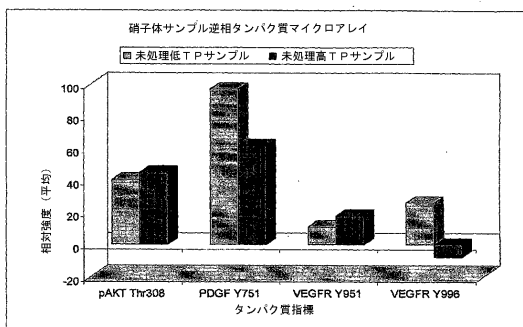
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に確認し、そして慣習的な臨床上の設定において、顕微針によりサンプリングされ得る非常に少量において、それらが測定され得ることを示す。検出に用いた全ての抗体は、抗原特異性を保障するために試験された。分析物であるタンパク質上のリン酸化残基を検出した抗体は、そのタンパク質が特定の残基でリン酸化されている場合にのみ、そのタンパク質を認識する。そのタンパク質が、この残基でリン酸化されていない場合、または他の残基でリン酸化されている場合は、抗体は結合せず、そして値は0である。

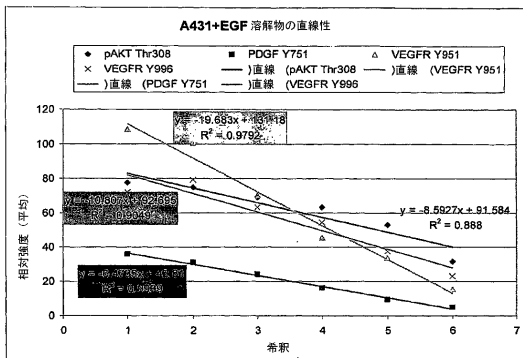
【図 1】

FIG 1.



【図 2】

FIG 2.



【国際調査報告】

INTERNATIONAL SEARCH REPORT		International application No. PCT/US07/02452										
A. CLASSIFICATION OF SUBJECT MATTER IPC: G01N 33/48(2006.01) USPC: 436/63 According to International Patent Classification (IPC) or to both national classification and IPC												
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 436/63 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet												
C. DOCUMENTS CONSIDERED TO BE RELEVANT												
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.										
X,P --- Y,P	US 7108982 (HAGEMAN et al.) 19 September 2006 (19.09.2006), columns 73 and 74, especially Table A.	1-6, 27-29, 32 ----- 30										
X,P	ZHOU et al. Characterization of human tear proteins using high-resolution mass spectrometry. Ann Acad Med Singapore 2006, Vol. 35, pages 400-407, especially Table 1, pages 402-403.	1-6, 27-29										
X,P	EP 1696237 A1 (GRUS et al.) 30 August 2006 (30.08.2006), page 6, Table 1 and lines 33-40.	1-6, 27-29										
X	WO 2005/036180 (MEHTA et al.) 21 April 2005 (21.04.2005), page 6, lines 23-31, page 8, lines 10-21, Table 5, pages 34, 36 and 43.	1-6, 27-29										
☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.												
* Special categories of cited documents: <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"Z" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"Z" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention											
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone											
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art											
"O" document referring to an oral disclosure, use, exhibition or other means	"Z" document member of the same patent family											
"P" document published prior to the international filing date but later than the priority date claimed												
Date of the actual completion of the international search 01 August 2007 (01.08.2007)		Date of mailing of the international search report 26 DEC 2007										
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer Heather Calamita Telephone No. 571-272-1600										

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US07/02452

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LI et al. Characterization of human tear proteome using multiple proteomic analysis techniques. Journal of Proteome Research, 2005, Vol. 4, No 6, pages 2052-2061, especially Table . page 2056.	1-6, 27-29
X --- Y	US 2002/0102581 (HAGEMAN et al.) 1 August 2002 (01.08.2002), pages 43 to 45, especially Table 2.	1-6, 27-29, 31 ----- 30
A	UCHIO et al. Tear osteopontin levels in patients with allergic conjunctival diseases. Graefe's Arch Clin Exp Ophthalmol 2002, Vol 240, pages 924-928, especially abstract.	1-6, 27-32
A	SCHMUT et al. The effect of sample treatment on separation profiles of tear fluid proteins: Qualitative and semi-quantitative protein determination by an automated analysis system. 2002, Vol 240, pages 900-9005, especially abstract and discussion.	1-6, 27-32

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/02452

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☒ Claims Nos.: 19-22
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)This International Searching Authority found multiple inventions in this international application, as follows:
Please See Continuation Sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-6 and 27-32

- Remark on Protest**
- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US07/02452

BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions, which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-6, 27-32, drawn to a method of characterizing the physiological state of the eye detecting the presence or absence in vitreous fluid of one or more polypeptides or fragments thereof.
 Group II, claim(s) 7-12, drawn to a method of characterizing the physiological state of a living system detecting the presence or absence in vitreous fluid of one or more polypeptides or fragments thereof.
 Group III, claim(s) 13-16, drawn to a method of monitoring the signaling pathway "status" of a subject measuring the presence or absence of a phosphorylated polypeptide fragment including a receptor in vitreous fluid.
 Group IV, claim(s) 17 and 18, drawn to a method of monitoring the efficacy of a tyrosine kinase inhibitor in a subject measuring a presence or absence of a phosphorylated polypeptide or fragment in vitreous fluid of the subject.
 Group V, claim(s) 23, drawn to a hollow bore cannula or cutter for vitrectomy.
 Group VI, claim(s) 24-26, drawn to a proteomic fingerprint of the vitreous fluid.
 Group VII, claim(s) 33 and 34, drawn to a method of determining the association of a given disease and polypeptides comparing the spectrum of polypeptides in the vitreous fluid of a patient to the spectrum of polypeptides in the vitreous fluid of a normal subject.

The International Searching Authority considers that the international application does not comply with the requirement of unity of invention (PCT Rule 13.1, 13.2 and 13.3) for the reason indicated below:

The inventions are linked by the technical feature of polypeptides, also referred as "biomarkers", isolated from an ocular fluid. These biomarkers were obtained by running a sample of ocular fluid on a SDS-PAGE gel, and then digesting the entire gel lane from high to low protein molecular weight with trypsin, followed by MS/MS analysis. Some examples of these proteins identified in vitreous fluid can be found on table 3.1, for example lactotransferrin (page 3 of 19 - no 95).

However, this feature is not special because it does not constitute an advance over the prior art.

Li et al (Journal Proteome Research, 2003, Vol. 4, 2052-2061) teach a characterization of human tear proteome using a multiple proteomic analysis techniques and a list of peptides isolated from the tear fluids, for example lactotransferrin (table 1, lane 1).

Furthermore, each group involves method steps or polypeptides not required by the other.

Group I, a first method, involves the characterization of physiological state of the eye detecting the presence or absence of one or more polypeptides or fragments thereof, not required by the other.
 Group II, a second method, involves the characterization of physiological state of a living system detecting the presence or absence of one or more polypeptides or fragments thereof that cannot be required by any other.
 Group III, a third method, involves a method of monitoring the signaling pathway "status" of a subject measuring the presence or absence of a phosphorylated polypeptide fragment including a receptor in vitreous fluid, not required by the other.
 Group IV, a fourth method, involves a method of monitoring the efficacy of a tyrosine kinase inhibitor in a subject measuring a presence or absence of a phosphorylated polypeptide or fragment thereof, and the administration of tyrosine kinase inhibitors, that cannot be required by any other.
 Group V, a first product, involves a hollow bore cannula comprising at least one chemical compound to protect polypeptides. This apparatus is not "specially designed for" carrying out the methods of the invention, consequently this group does not include the same or corresponding special technical feature as set forth in other.
 Group VI, a second product, involves a proteomic fingerprint of the vitreous fluid or a related measurement that includes data recordation that cannot be required by any other.
 Group VII, a fifth method, involves a method of determining the association of a given disease and polypeptides that include process steps, patient populations and subsequent therapy, not required by any other.

Continuation of B. FIELDS SEARCHED Item 3:

EAST, STNEasy, Espacenet, Medline.

Search terms: tear, marker, polypeptide, macular, degeneration, detachment.

フロントページの続き

(81)指定国 AP(BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), EA(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), EP(AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OA(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG), AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

(72)発明者 リオッタ, ランス

アメリカ合衆国 バージニア 22030, フェアファックス, ユニバーシティー ドライブ
4400, エムエスエヌ 5ジー5, オフィス オブ テクノロジー トランスファー,
ジョージ メーソン ユニバーシティー 気付

(72)発明者 チョウ, ウェイドン

アメリカ合衆国 バージニア 22030, フェアファックス, ユニバーシティー ドライブ
4400, エムエスエヌ 5ジー5, オフィス オブ テクノロジー トランスファー,
ジョージ メーソン ユニバーシティー 気付

(72)発明者 エスピナ, バージニア

アメリカ合衆国 バージニア 22030, フェアファックス, ユニバーシティー ドライブ
4400, エムエスエヌ 5ジー5, オフィス オブ テクノロジー トランスファー,
ジョージ メーソン ユニバーシティー 気付

(72)発明者 ペトリコイン, エマニュエル

アメリカ合衆国 バージニア 22030, フェアファックス, ユニバーシティー ドライブ
4400, エムエスエヌ 5ジー5, オフィス オブ テクノロジー トランスファー,
ジョージ メーソン ユニバーシティー 気付

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[标]申请(专利权)人(译)	乔治梅森大学		
申请(专利权)人(译)	乔治·梅森大学		
[标]发明人	リオッタランス チョウウェイドン エスピナバージニア ペトリコインエマニュエル		
发明人	リオッタ, ランス チョウ, ウェイドン エスピナ, バージニア ペトリコイン, エマニュエル		
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摘要(译)

本发明涉及分析和监测眼睛的液体以确定生物体的生理状态，并且可以监测药物的功效和动力学以及早期检测疾病，分子标记和此类分析中的鉴定对分子或分子片段的指纹。本发明提供眼科液体样品的蛋白质组学指纹，其包含样品中存在的至少一种多肽或其他分子。可以使用任何合适的技术分离多肽（也称为“生物标志物”）。例如，生物标志物可以取自低分子量级分，其中生物标志物引诱剂与多肽或其他生物分子（“生物标志物”）相关联。

