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厚生科学研究費補助金
ヒトゲノム・再生医療等研究事業

幹細胞からの膵 β 細胞分化誘導に関する研究

平成13年度 総括・分担研究報告書

主任研究者 清野 裕

平成14(2002)年4月

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【 I 】 総括研究報告

厚生科学研究費(ヒトゲノム・再生医療等研究事業)
総括研究報告書

幹細胞からの膵β細胞分化誘導に関する研究

主任研究者 清野 裕 京都大学医学研究科教授

研究要旨

ネスチン遺伝子のプロモータに EGFP を結合したトランスジェニックマウスから、膵β細胞の幹細胞の単離に成功した。遺伝子発現の検討や長期培養を行うことにより、幹細胞の特性を検討している。

分担研究者

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A. 研究目的

糖尿病は過去40年間に70倍に激増し、690万に達した。糖尿病に伴って生じる合併症も深刻な問題となっており、糖尿病による透析導入や後天的な失明もそれぞれ年間約12,000人、4,000人と原因の第1位である。糖尿病の治療として、インスリン注射などを用いた厳格な血糖コントロールが行われているが、このような対症療法では血糖の制御を行うことは不可能で、かつ重篤な低血糖の増加やQOLの低下を招くため、根本的な治療法の確立が望まれている。膵島移植は、可能性は秘めているが、免疫抑制薬を継続投与

する必要があること以外に、ヒトでは十分な量の膵島を得ることが困難であること、ブタでは異種間感染の可能性など解決すべき問題が多い。

最近の発生工学・細胞生物学の進展により、膵β細胞の分化増殖機構が明らかにされてきた。そこで、これらの知見を応用して、幹細胞から膵β細胞を作製して供用しようとする膵β細胞の再生療法は、糖尿病の根治治療法として期待されている。本研究は、膵β細胞の幹細胞を、*in vitro*で増殖させ膵β細胞を分化させることを目的としている。

B. 研究方法

(1) 幹細胞の単離

神経細胞の幹細胞で発現が報告されているintermediate filamentであるネスチンに着目し、ネスチン遺伝子のプロモータの下流にEGFP (enhanced green fluorescent protein) 遺伝子を結合させたトランスジェニック

正できる十分量の膵島β細胞が移植後グラフト内に分化増殖したと考えられた。移植前グラフトの免疫組織染色でインスリン陽性細胞は通常の膵島としてではなく、ほとんどが小集積（クラスター）として膵内に散在していた。移植後の時間の経過とともにいわゆる膵島を形成していた。

D. 考察

本年度は、膵β細胞の幹細胞を単離することを主たる目的とし研究を遂行した。膵ランゲルハンス島より、ネスチンプロモータによって活性化されるEGFP強度を指標として、単離することが可能となった。単離した幹細胞は、予想されたようにインスリン遺伝子の発現は低かったが、それに加えて膵β細胞の機能維持に重要と考えられる転写因子Pdx-1の発現も低下していた。このことは、*in vitro*で幹細胞から膵β細胞に増殖分化させるにあたって、Pdx-1をいかに活性化するかが重要であることが示唆された。

本年度は、以上の幹細胞の単離に加えて、幹細胞特性の検討のため遺伝子解析が適していると考え、膵β細胞や小腸cDNAのmicroarrayを作製し、来年度には本年度得られたEGFP陽性細胞のcDNAを用いて解析することが可能となった。また、比較的幹細胞に似た性質を有する胎児膵組織を移植することによって糖尿病治療の予備的検討を進めることができた。

E. 結論

ネスチン遺伝子のプロモータにEGFPを結合したトランスジェニックマウスから、膵β細胞の幹細胞の単離に成功した。遺伝子発現の検討や長期培養を行うことにより、幹細胞の特性を検討している。

F. 健康危険情報

特になし

G. 研究発表

1. 論文発表

- 1) Ban N, Yamada Y, Someya Y, Miyawaki K, Ihara Y, Hosokawa M, Toyokuni S, Tsuda K, Seino Y. Hepatocyte Nuclear Factor-1α Recruits the Transcriptional Co-activator p300 on the GLUT2 Gene Promoter. **Diabetes** (in press)
- 2) Ikebukuro K, Adachi Y, Yamada Y, Fujimoto S, Seino Y, Oyaizu H, Hioki K, Ikehara S. Treatment of streptozotocin-induced diabetes mellitus by transplantation of islet cells plus bone marrow cells via portal vein in rats. **Transplantation** 73(4):512-518, 2002
- 3) Fujimoto S, Mukai E, Hamamoto Y, Takeda T, Takehiro M, Yamada Y, Seino Y. Prior exposure to high glucose augments depolarization-induced insulin release by mitigating the decline of ATP level in rat islets. **Endocrinology** 143(1):213-221, 2002.
- 4) Sugawara F, Yamada Y, Kuroe A,

の EST については、シーケンス作
業が終了次第 DDBJ (DNA database
of Japan) に登録する予定である。

【 II 】 分担研究報告

厚生科学研究費(ヒトゲノム・再生医療等研究事業)
分担研究報告書

膵β細胞幹細胞の分化に関する研究

分担研究者 山田 祐一郎 京都大学医学研究科助教授

研究要旨

ネスチン遺伝子のプロモータに EGFP を結合したトランスジェニックマウスから、FACS ソーティングによって単離した膵β細胞の幹細胞を用い、遺伝子発現の検討や長期培養系の確立を試みた。

A. 研究目的

最近の発生工学・細胞生物学の進展により、膵β細胞の分化増殖機構が明らかにされてきた。そこで、これらの知見を応用して、幹細胞から膵β細胞を作製して供用しようとする膵β細胞の再生療法は、糖尿病の根治治療法として期待されている。本研究は、腸管上皮に存在する膵臓の幹細胞から膵β細胞を分化させることを目的としている。

B. 研究方法

ネスチン遺伝子のプロモータに EGFP (enhanced green fluorescent protein) を結合したトランスジェニックマウスから、膵ランゲルハンス島を単離し、単一の細胞に分散後、FACSで、EGFP陽性細胞を単離した。(1)これらの細胞から mRNA purification kit を用いて mRNA を抽出し、Superscript II を用いて、cDNA を合成した。得られた cDNA を realtime PCR 法(Taqman)を用いて、種々の遺伝子発現量を検索した。

(2)EGFP 陽性細胞を、ラミニン、ポリリジン、フィブロネクチン、コラーゲンなどでコートした培養ディッシュを用いて、EGF や bFGF の存在下で培養した。

(倫理面への配慮)

動物の実験に関しては、「京都大学動物実験に関する指針(昭和63年総長裁定)」に従い、動物実験に係る京都大学医学研究科内諸規則を厳守して実施した。

C. 研究結果

(1)EGFP陽性細胞においては、インスリン遺伝子の発現が低下しているのみならず、膵β細胞の機能維持に必須であることが報告されている Pdx-1 遺伝子発現も低下していることを明らかにした。

(2)ポリリジンでコートした培養ディッシュを用いることにより、より長期に培養できることを確認した。

D. 考察

膵ランゲルハンス島からネスチンプロモータで活性化されたEGFP

山田 祐一郎、膵β細胞のアポトーシ
スと分化・再生そして新生、第36回糖尿
病学の進歩 平成14年2月22日～23日

H. 知的財産権の出願・登録状況

1. 特許取得

なし

2. 実用新案登録

なし

3. その他

なし

厚生科学研究費補助金（ヒトゲノム・再生医療等研究事業）

分担研究報告書

膵β細胞・小腸遺伝子の EST マイクロアレイ化と幹細胞特異的マーカーの同定

分担研究者 武田 純

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研究要旨

膵β細胞は、腸管・肝・膵管などに存在する幹細胞から、種々の転写因子の作用を受けて分化する。幹細胞を効率良く収集して解析することは、同細胞の特異性を理解するのみならず、糖尿病治療の開発においても有意義である。そのためには、幹細胞の発現遺伝子のプロフィールを網羅的に把握することによって、特異性の高い遺伝子を同定することが重要である。当該年度は、膵β細胞・小腸での発現遺伝子を網羅するために、マウスインスリン産生細胞株 MIN6 と小腸の EST (expressed sequence tag) 収集を実施した。さらに、DNA マイクロアレイ実験の基礎条件の設定も行った。

A. 研究目的

欧米人の肥満型インスリン抵抗性とは異なり、本邦の2型糖尿病はやせ型インスリン分泌不全を特徴とする。すなわち、発症早期から膵β細胞はグルコースに対するインスリン分泌が障害されている。インスリン分泌が高度に障害されれば、現時点ではインスリン注射による補充療法しか望めず、根治療法はない。このような補充療法では正確な血糖管理は困難であり、かつ附随して起こりうる重篤な低血糖は、生活質を大きく低下させるのみなら

ず、特に高齢患者では致死的にもなり得る。最近の発生学的研究により、幹細胞から膵β細胞への分化・増殖機構が明らかにされつつある。

本研究では、腸管上皮に存在する膵臓の幹細胞から膵β細胞を分化誘導させることを目的とする。そのためには、腸管上皮の幹細胞を特異的に認識する技法が要求される。そこで、幹細胞の細胞膜表面マーカーを獲得するために同細胞遺伝子の発現プロフィールを解析する。

of Japan)に登録する予定である。さらに、群馬大学生体調節研究所のホームページでも一般に公開する予定であり、本事業で得られるすべての EST 配列および関連する遺伝子情報（対応するヒト、ラット遺伝子やヒト SNP マーカーなど）は広くすべての研究者が入手可能とする。

資料

マウス MIN-6 細胞およびマウス小腸の EST 一覧

分担研究者 武田 純

MIN-01-01	459	gi 9789994 ref NM_019641.1	Mus musculus leukemia-associated gene (Lag), mRNA	0	374/376 (99%)	-
MIN-01-02	502	gi 7949136 ref NM_016752.1	Mus musculus solute carrier family 35 (UDP-galactose transporter), member 2 (Slc35a2), mRNA	1.00E-165	296/296 (100%)	-
MIN-01-03	530	gi 10041120 emb X014853.1 X014853	Sequence 43 from Patent WO9953040	0	516/516 (100%)	-
MIN-01-04	507	gi 21000 emb X13595.1 PVGRP10	Bean DNA for glycine-rich cell wall protein GRP 1.0	0.23	30/33 (90%)	-
MIN-01-05	516	gi 3390769 gb AF095728.1 AF095728	Mus musculus rab GDP-dissociation inhibitor beta mRNA, 3'UTR	1.00E-147	266/266 (100%)	-
MIN-01-06	472	gi 7549794 ref NM_011597.1	Mus musculus tight junction protein 2 (Tjp2), mRNA	6.00E-88	181/185 (97%)	1/185 (0%)
MIN-01-07	491	gi 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	477/477 (100%)	-
MIN-01-08	515	gi 10041120 emb X014853.1 X014853	Sequence 43 from Patent WO9953040	0	501/501 (100%)	-
MIN-01-09	485	gi 1621039 gb J050413.1 J050413	Mus musculus phosphoinositide 3-kinase regulatory subunit p85alpha mRNA, complete cds	2.00E-35	78/78 (100%)	-
MIN-01-10	295	gi 6678917 ref NM_008618.1	Mus musculus malate dehydrogenase, soluble (Mor2), mRNA	1.00E-155	281/282 (99%)	-
MIN-01-11	450	gi 6754669 ref NM_010785.1	Mus musculus transformed mouse 3T3 cell double minute 1 (Mdm1), mRNA	0	367/368 (99%)	-
MIN-01-12	295	gi 8393533 ref NM_016957.1	Mus musculus high mobility group protein 17 (Hmg17), mRNA	1.00E-124	229/230 (99%)	-
MIN-01-13	464	gi 6671701 ref NM_007637.1	Mus musculus chaperonin subunit 5 (epsilon) (Cct5), mRNA	0	448/450 (99%)	-
MIN-01-14	493	gi 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	479/479 (100%)	-
MIN-01-15	393	gi 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	0	333/333 (100%)	-
MIN-01-16	487	gi 6679439 ref NM_008907.1	Mus musculus peptidylprolyl isomerase A (Ppia), mRNA	0	475/475 (100%)	-
MIN-01-17	404	gi 6671568 ref NM_007475.1	Mus musculus acidic ribosomal phosphoprotein PO (Arpo), mRNA	0	390/390 (100%)	-
MIN-01-18	453	gi 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	438/439 (99%)	-
MIN-01-19	478	gi 6679936 ref NM_008084.1	Mus musculus glyceroldehyde-3-phosphate dehydrogenase (Gapd), mRNA	0	463/464 (99%)	-
MIN-01-20	489	gi 7292360 gb AE003478.1 AE003478	Drosophila melanogaster genomic scaffold 14200013386045 section 12 of 17, complete sequence	0.22	21/21 (100%)	-
MIN-01-21	496	gi 9825036 ref NM_019566.1	Mus musculus Sid10750 protein (Sid10750), mRNA	0	385/385 (100%)	-
MIN-01-22	434	gi 9929691 gb AC020972.3 AC020972	Mus musculus chromosome 18 clone RP23-6P18, complete sequence	6.00E-11	37/37 (100%)	-
MIN-01-23	485	gi 4200443 gb AF098634.1 AF098634	Mus musculus GLUT4 vesicle protein mRNA, partial cds	0	471/471 (100%)	-
MIN-01-24	470	gi 6677866 ref NM_009130.1	Mus musculus secretogranin III (Scg3), mRNA	0	457/457 (100%)	-
MIN-01-25	498	gi 7145809 dbj AB034633.1 AB034633	Mus musculus dUB-type TGT mRNA for deubiquitinating enzyme, complete cds	0	481/484 (99%)	1/484 (0%)
MIN-01-26	500	gi 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	1.00E-130	244/245 (99%)	1/245 (0%)
MIN-01-27	504	gi 9910407 ref NM_020007.1	Mus musculus muscleblind (Drosophila)-like (Mbnl), mRNA	1.00E-130	237/237 (100%)	-
MIN-01-28	486	gi 6680226 ref NM_008251.1	Mus musculus high mobility group protein 14 (Hmg14), mRNA	0	388/391 (99%)	2/391 (0%)
MIN-01-29	503	gi 6998925 ref NM_010413.2	Mus musculus histone deacetylase 6 (Hdac6), mRNA	0	487/489 (99%)	1/489 (0%)
MIN-01-30	505	gi 6681078 ref NM_007798.1	Mus musculus cathepsin B (Ctbs), mRNA	0	491/491 (100%)	-
MIN-01-31	502	gi 7305444 ref NM_013647.1	Mus musculus ribosomal protein S16 (Rps16), mRNA	0	481/488 (98%)	3/488 (0%)
MIN-01-32	495	gi 8096291 dbj AB042809.1 AB042809	Mus musculus mitochondrial DNA, complete genome, strain:SAMP8	0	480/482 (99%)	1/482 (0%)
MIN-01-33	502	gi 1575570 gb U66575.1 JMMU66575	Mus musculus STAT6 gene, partial cds and NAB2 (Nab2) gene, 3'UTR	1.00E-149	272/273 (99%)	-
MIN-01-34	496	gi 1205975 gb U14172.1 JMMU14172	Mus musculus p162 protein mRNA, complete cds	0	481/482 (99%)	-
MIN-01-35	498	gi 6755073 ref NM_011099.1	Mus musculus pyruvate kinase 3 (Pfk3), mRNA	0	482/486 (99%)	-
MIN-01-36	495	gi 1236762 emb X96606.1 JMMOTTAK27	M.musculus mRNA for Ott protein, clone ak27	0	478/481 (99%)	1/481 (0%)
MIN-01-37	491	gi 4926907 gb AC004936.2 AC004936	Homo sapiens PAC clone RP5-959C21 from Tp11.2-p21, complete sequence	0.22	24/25 (96%)	-
MIN-01-38	491	gi 6678955 ref NM_008640.1	Mus musculus lysosomal-associated protein transmembrane 4A (Laptm4a), mRNA	0	478/478 (99%)	1/478 (0%)
MIN-01-39	283	gi 6679894 ref NM_008063.1	Mus musculus glucose-6-phosphatase, transport protein 1 (G6pt1), mRNA	1.00E-143	266/269 (98%)	-
MIN-01-40	500	gi 7271166 gb L32751.1 MUSMIRAN	Mouse (clone M1) GTPase (Ran) mRNA, complete cds	3.00E-90	174/176 (98%)	-
MIN-01-41	498	gi 6680699 ref NM_007467.1	Mus musculus amyloid beta (A4) precursor-like protein 1 (Aplp1), mRNA	0	481/484 (99%)	-
MIN-01-42	499	gi 4894648 gb AF124599.1 AF124599	Mus musculus lysosomal pepstatin-insensitive protease (Cln2) gene, complete cds	2.00E-04	85/102 (81%)	-
MIN-01-43	502	gi 7294927 gb AE003552.1 AE003552	Drosophila melanogaster genomic scaffold 14200013386050 section 39 of 54, complete sequence	0	486/487 (99%)	1/487 (0%)
MIN-01-44	500	gi 9790056 ref NM_019793.1	Mus musculus tetraspanin TM4-A homolog (LOC56434), mRNA	0	486/487 (99%)	1/487 (0%)
MIN-01-45	493	gi 391760 dbj D16847.1 JMUSSCP1	Mouse mRNA for stromal cell derived protein-1, complete cds	0	475/479 (99%)	-
MIN-01-46	498	gi 9506418 ref NM_019517.1	Mus musculus beta-site APP-cleaving enzyme 2 (Bace2), mRNA	0	481/484 (99%)	1/484 (0%)
MIN-01-47	422	gi 9790150 ref NM_019840.1	Mus musculus phosphodiesterase 4B, cAMP specific (Pde4b), mRNA	3.00E-06	41/47 (87%)	-
MIN-01-48	501	gi 6755199 ref NM_011870.1	Mus musculus proteasome (prosome, macropain) subunit, beta type 2 (Psm2), mRNA	0	473/474 (99%)	-
MIN-01-49	271	gi 475061 emb X76392.1 CFVIP36G	C.familiaris VIP36 (vesicular integral-membrane protein of 36 kDa) mRNA	2.00E-12	97/116 (83%)	7/116 (6%)
MIN-01-50	601	gi 7305598 ref NM_013697.1	Mus musculus transthyretin (Ttr), mRNA	0	587/587 (100%)	-
MIN-01-51	499	gi 7305298 ref NM_013792.1	Mus musculus alpha-N-acetylglucosaminidase (Sanfilippo disease IIIB) (Naglu), mRNA	0	487/487 (100%)	-
MIN-01-52	500	gi 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	489/486 (99%)	-
MIN-01-53	423	gi 809560 emb X83589.1 MMC2E12B	M.musculus mRNA expressed in E12 brain (clone C2)	0	350/354 (98%)	1/354 (0%)
MIN-01-54	502	gi 6678412 ref NM_009415.1	Mus musculus triosephosphate isomerase (Tpi), mRNA	0	488/488 (100%)	-
MIN-01-55	498	gi 3341702 gb AC004514.1 JHUAC004514	Homo sapiens Chromosome 16 BAC clone CIT9875K-A-954B10, complete sequence	0.23	21/21 (100%)	-
MIN-01-56	449	gi 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	0	332/334 (99%)	1/334 (0%)
MIN-01-57	500	gi 10048443 ref NM_020508.1	Mus musculus bromodomain-containing 5 (Brd5), mRNA	0	343/343 (100%)	-
MIN-01-58	495	gi 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	477/482 (98%)	2/482 (0%)
MIN-01-59	500	gi 6754473 ref NM_010655.1	Mus musculus karyopherin (importin) alpha 2 (Kpn2), mRNA	0	483/486 (99%)	3/486 (0%)
MIN-01-60	541	gi 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	522/527 (99%)	2/527 (0%)
MIN-01-61	499	gi 6678466 ref NM_009447.1	Mus musculus tubulin alpha 4 (Tuba4), mRNA	0	477/479 (99%)	-
MIN-01-62	496	gi 6754857 ref NM_010918.1	Mus musculus natural killer tumor recognition sequence (Nktr), mRNA	0	482/483 (99%)	1/483 (0%)
MIN-01-63	503	gi 6678194 ref NM_009305.1	Mus musculus synaptophysin (Synp), mRNA	0	488/489 (99%)	-
MIN-01-64	501	gi 6679228 ref NM_008792.1	Mus musculus proprotein convertase subtilisin/kexin type 2 (Pcsk2), mRNA	0	486/487 (99%)	1/487 (0%)
MIN-01-65	496	gi 9055173 ref NM_018770.1	Mus musculus immunosuperfamily protein B12 (B12), mRNA	0	482/482 (100%)	-
MIN-01-66	499	gi 6753619 ref NM_010028.1	Mus musculus DEAD (aspartate-glutamate-alanine-aspartate) box polypeptide 3 (Ddx3), mRNA	0	485/485 (100%)	-
MIN-01-67	322	gi 8567646 gb AC018452.1 AC018452	Homo sapiens chromosome 3 BAC RP11-23D24 (Roswell Park Cancer Institute Human BAC Library) comp	0.57	23/24 (95%)	-
MIN-01-68	503	gi 6753191 ref NM_009836.1	Mus musculus chaperonin subunit 3 (gamma) (Cct3), mRNA	0	488/489 (99%)	1/489 (0%)
MIN-01-69	499	gi 7949089 ref NM_016793.1	Mus musculus zinc finger protein 121 (Zfp121), mRNA	1.00E-167	299/299 (100%)	-
MIN-01-70	499	gi 16208093 dbj D73368.1 D73368	House mouse: Musculus domesticus adult thymus mRNA for Mer protein, complete cds	0	481/487 (98%)	1/487 (0%)
MIN-01-71	499	gi 9886976 gb AF222802.1 AF222802	Mus musculus taube nuss mRNA, complete cds	0.015	23/23 (100%)	-
MIN-01-72	553	gi 7305598 ref NM_013697.1	Mus musculus transthyretin (Ttr), mRNA	0	539/539 (100%)	-
MIN-01-73	499	gi 6014680 gb AF188634.1 AF188634	Drosophila melanogaster F protein (p1186) mRNA, complete cds	0.013	32/35 (91%)	-
MIN-01-74	500	gi 3309005 gb AC004551.1 AC004551	Homo sapiens 12q24.1 PAC RP11-71H24 (Roswell Park Cancer Institute Human PAC library) complete se	1.00E-64	258/298 (86%)	14/298 (4%)
MIN-01-75	498	gi 6754795 ref NM_011986.1	Mus musculus neurochondrin (Ncdn-pending), mRNA	0	484/484 (100%)	-
MIN-01-76	501	gi 6680501 ref NM_008410.1	Mus musculus integral membrane protein 2 B (Itn2b), mRNA	0	465/472 (98%)	1/472 (0%)
MIN-01-77	500	gi 5815508 gb AC006205.7 AC006205	Homo sapiens 12p13.3 PAC RP15-1154L15 (Roswell Park Cancer Institute Human PAC Library) complete	0.9	20/20 (100%)	-
MIN-01-78	501	gi 194034 gb M19141.1 MUSHSPCA	Mouse heat shock protein 70 cognate mRNA, complete cds	0	482/487 (98%)	1/487 (0%)
MIN-01-79	498	gi 8096291 dbj AB042809.1 AB042809	Mus musculus mitochondrial DNA, complete genome, strain:SAMP8	0	484/485 (99%)	1/485 (0%)
MIN-01-80	494	gi 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	480/481 (99%)	-
MIN-01-81	471	gi 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	448/453 (99%)	-
MIN-01-82	500	gi 8393247 ref NM_016874.1	Mus musculus deformed epidermal autoregulatory factor 1 (Drosophila) (Deaf1), mRNA	0	486/486 (100%)	-
MIN-01-83	497	gi 9506418 ref NM_019517.1	Mus musculus beta-site APP-cleaving enzyme 2 (Bace2), mRNA	1.00E-162	296/298 (99%)	-
MIN-01-84	497	gi 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	483/483 (100%)	-
MIN-01-85	499	gi 6679157 ref NM_008749.1	Mus musculus nucleobindin (Nucb), mRNA	0	351/351 (100%)	-
MIN-01-86	500	gi 9790202 ref NM_019642.1	Mus musculus ribophorin (Rpn), mRNA	0	408/408 (100%)	-
MIN-01-87	498	gi 6587934 gb AC009479.3 AC009479	Homo sapiens BAC clone RP11-278L6 from Y, complete sequence	0.058	25/26 (96%)	-
MIN-01-88	498	gi 6679700 ref NM_007960.1	Mus musculus ets related protein 81 (Etrp81), mRNA	0	386/391 (98%)	5/391 (1%)
MIN-01-89	495	gi 6678200 ref NM_009308.1	Mus musculus synaptotagmin 4 (Syt4), mRNA	0	453/459 (98%)	3/459 (0%)
MIN-01-90	453	gi 6680895 ref NM_007658.1	Mus musculus cell division cycle 25 homolog A (S. cerevisiae) (Cdc25a), mRNA	0	411/426 (96%)	3/426 (0%)
MIN-01-91	502	gi 193484 gb M14951.1 MUSGFII	Mouse insulin-like growth factor II (IGF-II) mRNA, complete cds	0	440/440 (100%)	-
MIN-01-92	478	gi 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	429/444 (96%)	2/444 (0%)
MIN-01-93	455	gi 6756039 ref NM_011739.1	Mus musculus tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, theta polypep	0	447/457 (97%)	1/457 (0%)
MIN-01-94	498	gi 7300041 gb AE003710.1 AE003710	Drosophila melanogaster genomic scaffold 14200013386035 section 35 of 105, complete sequence	0.015	26/27 (96%)	-
MIN-01-95	501	gi 6680158 ref NM_008210.1	Mus musculus H3 histone, family 3A (H3f3a), mRNA	0	486/488 (99%)	-
MIN-01-96	500	gi 9711688 dbj AB034991.1 AB034991	Mus musculus mRNA for stress protein Herp, complete cds	0	486/486 (100%)	-
MIN-02-01	479	gi 6754341 ref NM_010562.1	Mus musculus integrin linked kinase (Ilk), mRNA	7.00E-48	99/99 (100%)	-
MIN-02-02	221	gi 8439924 gb AC009361.2 AC009361	Mus musculus chromosome 10 clone rp21-12n20 strain 12956/SvEvTac, complete sequence	8.00E-80	198/212 (93%)	1/212 (0%)
MIN-02-03	397	gi 12597642 ref NM_022902.1	Homo sapiens hypothetical protein FLJ12496 (FLJ12496), mRNA	3.00E-28	149/174 (85%)	7/174 (4%)
MIN-02-04	259	gi 8392928 ref NM_011791.1	Mus musculus ash2 (absent, small, or homeotic)-like (Drosophila) (Ash2), mRNA	1.00E-139	253/254 (99%)	-
MIN-02-05	304	gi 200023 gb M13016.1 MUSNFIL	Mouse 68 kd neurofilament protein gene, complete cds	1.00E-142	289/295 (97%)	4/295 (1%)

MIN-02-06	415	g 11863026 gb AC020916.6 AC020916	Homo sapiens chromosome 19 clone CTD-3252C9, complete sequence	0.014	23/23 (100%)	-
MIN-02-07	482	g 925663 ref NM_018878.1	Mus musculus Pax transcription activation domain interacting protein (PTIP), mRNA	0	462/465 (99%)	-
MIN-02-08	260	g 6678412 ref NM_009415.1	Mus musculus triosephosphate isomerase (Tpi), mRNA	1.00E-126	244/246 (99%)	2/246 (0%)
MIN-02-09	442	g 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	0	333/333 (100%)	-
MIN-02-10	413	g 1369955 emb Z73422.1 CEB0564	Caenorhabditis elegans cosmid B0564, complete sequence	0.014	26/27 (96%)	-
MIN-02-11	386	g 10437572 dbj AK025119.1 AK025119	Homo sapiens cDNA: FLJ21466 fls, clone COL0482, highly similar to AF127481 Homo sapiens non-ocogen	1.00E-140	350/377 (92%)	4/377 (1%)
MIN-02-12	277	g 50025 emb X15267.1 JMMARPP0	Mouse mRNA for acidic ribosomal phosphoprotein PO	1.00E-140	262/264 (99%)	1/264 (0%)
MIN-02-13	193	g 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	1.00E-96	180/180 (100%)	-
MIN-02-14	322	g 12000466 gb AC073938.1 AC073938	Mus musculus 11 BAC RP23-292H1 (Roswell Park Cancer Institute Mouse BAC Library) complete sequence	8.00E-10	73/85 (85%)	1/85 (1%)
MIN-02-15	319	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	1.00E-163	306/308 (99%)	2/308 (0%)
MIN-02-16	243	g 552381.1 gb AC006333.3 AC006333	Homo sapiens BAC clone RP11-390E23 from 7, complete sequence	2	22/23 (95%)	-
MIN-02-18	481	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	464/468 (99%)	2/468 (0%)
MIN-02-19	264	g 191224 gb J01420.1 JCRUTUBAB	Chinese hamster alpha-tubulin II mRNA, complete cds	1.00E-119	242/250 (96%)	-
MIN-02-22	410	g 6978612 ref NM_012829.1	Rattus norvegicus Cholecystokinin (Cck), mRNA	1.00E-111	290/315 (92%)	3/315 (0%)
MIN-02-23	230	g 52714 emb X04724.1 JMMINSIG	Mouse preproinsulin gene II	1.00E-100	187/187 (100%)	-
MIN-02-24	260	g 2414388 emb Z99281.1 JCEY57G11C	Caenorhabditis elegans cosmid Y57G11C, complete sequence	0.14	24/25 (96%)	-
MIN-02-25	374	g 9910591 ref NM_020012.1	Mus musculus TRIAD2 type I (Triad2), mRNA	0	358/360 (99%)	1/360 (0%)
MIN-02-26	360	g 10198116 gb AF281676.1 AF281676	Mus musculus protein phosphatase inhibitor-1 mRNA, complete cds	1.00E-103	195/196 (99%)	-
MIN-02-27	366	g 2897730 dbj AB011001.1 AB011001	Mus musculus mRNA for choline/ethanolamine kinase, complete cds	0	349/352 (99%)	3/352 (0%)
MIN-02-28	243	g 2689877 gb U71085.1 JMMU71085	Mus musculus insulin-like growth factor II (Igf2) gene, complete cds	1.00E-117	229/231 (99%)	2/231 (0%)
MIN-02-29	327	g 11230779 ref NM_021884.1	Mus musculus tumor susceptibility gene 101 (tsg101), mRNA	1.00E-168	310/314 (98%)	-
MIN-02-31	318	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	1.00E-171	305/305 (100%)	-
MIN-02-32	413	g 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	399/400 (99%)	1/400 (0%)
MIN-02-33	376	g 4205738 gb AF033261.1 AF033261	Mus musculus alpha-synuclein (Syn) mRNA, complete cds	0	358/362 (99%)	-
MIN-02-34	349	g 3450882 gb AF083334.1 AF083334	Antheraea pernyi fibroin gene, complete cds	0.012	23/23 (100%)	-
MIN-02-35	150	g 7622517 gb AC007391.3 AC007391	Homo sapiens BAC clone RP11-429J10 from 2, complete sequence	0.29	20/20 (100%)	-
MIN-02-41	246	g 52714 emb X04724.1 JMMINSIG	Mouse preproinsulin gene II	1.00E-123	238/240 (99%)	2/240 (0%)
MIN-02-42	429	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	415/415 (100%)	-
MIN-02-44	174	g 3097872 gb AC004098.1 AC004098	Homo sapiens chromosome 17, clone HClT305D20, complete sequence	1.4	19/19 (100%)	-
MIN-02-45	260	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	1.00E-133	245/247 (99%)	-
MIN-02-46	379	g 11527450 gb AC005606.2 AC005606	Homo sapiens chromosome 16, P1 clone 109-8C (LANL), complete sequence	0.8	20/20 (100%)	-
MIN-02-47	325	g 220898 dbj J01388.1 JRATRIBS15	Rattus norvegicus gene for ribosomal protein S15, exon 1, 2, 3, 4, complete cds	4.00E-27	117/131 (89%)	3/131 (2%)
MIN-02-48	333	g 12584975 ref NM_022885.1	Mus musculus zinc transporter like 1 (Znt1), mRNA	0	332/333 (99%)	-
MIN-02-49	332	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	1.00E-164	313/318 (98%)	2/318 (0%)
MIN-02-50	441	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	400/401 (99%)	-
MIN-02-51	336	g 1120985 emb AL137845.8 AL137845	Human DNA sequence from clone RP5-961K14 on chromosome X, complete sequence [Homo sapiens]	0.18	21/21 (100%)	-
MIN-02-52	278	g 6678618 ref NM_009536.1	Mus musculus tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	1.00E-137	261/264 (98%)	1/264 (0%)
MIN-02-53	355	g 6678482 ref NM_009457.1	Mus musculus ubiquitin-activating enzyme E1, Chr X (Ube1), mRNA	1.00E-176	314/314 (100%)	-
MIN-02-54	275	g 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	1.00E-122	223/223 (100%)	-
MIN-02-56	396	g 9857949 gb AF273768.1 AF273768	Mus musculus preproneuroptide Y (Npy) mRNA, complete cds	0	323/323 (100%)	-
MIN-02-57	333	g 6756038 ref NM_011739.1	Mus musculus tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	1.00E-179	319/319 (100%)	-
MIN-02-58	392	g 8050818 gb AF258614.1 AF258614	Canis familiaris vacuolar proton-ATPase subunit ATP6H (ATP6H) mRNA, complete cds	0.003	48/56 (85%)	-
MIN-02-60	298	g 191224 gb J01420.1 JCRUTUBAB	Chinese hamster alpha-tubulin II mRNA, complete cds	1.00E-139	275/283 (97%)	-
MIN-02-61	395	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	381/381 (100%)	-
MIN-02-62	421	g 1683623 gb U26459.1 JMMU26459	Mus musculus type I insulin dependent diabetes mellitus autoantigen ICAp69 mRNA, clone mB9, complete c	0	392/395 (99%)	-
MIN-02-63	414	g 6755924 ref NM_011908.1	Mus musculus ubiquitin-like 3 (Ubl3), mRNA	0	398/400 (99%)	-
MIN-02-64	351	g 194066 gb J01420.1 MUSMTCG	Mouse islet amyloid polypeptide mRNA, complete cds	0	344/345 (99%)	-
MIN-02-65	351	g 6753913 ref NM_010240.1	Mus musculus ferritin light chain 1 (Ftl1), mRNA	0	338/340 (99%)	1/340 (0%)
MIN-02-66	480	g 10946971 ref NM_021538.1	Mus musculus coatamer protein complex, subunit epsilon (Cope), mRNA	0	464/466 (99%)	1/466 (0%)
MIN-02-67	291	g 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	1.00E-154	277/277 (100%)	-
MIN-02-68	501	g 200762 gb J01420.1 MUSMTCG	Mouse pancreatic ribonuclease mRNA, complete cds	1.1	20/20 (100%)	-
MIN-02-69	328	g 551505 gb U12330.1 GU12330	Cricetulus griseus sterol regulatory element binding protein-2 (SREBP-2) mRNA, complete cds	4.00E-21	262/321 (81%)	14/321 (4%)
MIN-02-70	417	g 6756038 ref NM_011739.1	Mus musculus tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	0	403/403 (100%)	-
MIN-02-71	290	g 50418 emb X52959.1 JMMCKHB	Mouse mRNA for casein kinase II beta subunit (EC 2.7.1.37)	1.00E-136	251/253 (99%)	-
MIN-02-72	416	g 53247 gb J01420.1 MUSMTCG	Mouse gene for Metallothionein-I (three exons)	1.00E-119	221/222 (99%)	-
MIN-02-73	402	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	388/388 (100%)	-
MIN-02-74	438	g 409980 gb S64860.1 S64860	NonO-non-POU domain-containing octamer-binding protein [mice, B-cell leukemia, BCL1, mRNA, 2411 nt	1.00E-107	199/199 (100%)	-
MIN-02-75	412	g 7958980 gb AC002472.6 AC002472	Homo sapiens Chromosome 22q11.2 PAC Clone p_n5 in BCL2-GGT Region, complete sequence	4.00E-58	151/163 (92%)	-
MIN-02-76	334	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	1.00E-180	320/320 (100%)	-
MIN-02-77	311	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	1.00E-167	299/299 (100%)	-
MIN-02-78	308	g 11230783 ref NM_021886.1	Mus musculus centromere autoantigen H (Cenph), mRNA	1.00E-150	288/293 (98%)	1/293 (0%)
MIN-02-79	525	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	512/512 (100%)	-
MIN-02-80	406	g 6978612 ref NM_012829.1	Rattus norvegicus Cholecystokinin (Cck), mRNA	1.00E-128	343/376 (91%)	3/376 (0%)
MIN-02-81	320	g 10946643 ref NM_021331.1	Mus musculus glucose-6-phosphatase, catalytic, related sequence (G6pc-rs), mRNA	1.00E-167	306/307 (99%)	1/307 (0%)
MIN-02-82	602	g 49911 emb X03351.1 JMMALBR	Mouse mRNA for prealbumin	0	581/581 (100%)	-
MIN-02-83	295	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	1.00E-156	288/289 (99%)	1/289 (0%)
MIN-02-84	336	g 1217592 dbj D42048.1 JMUSERG1	Mouse mRNA for squalene epoxidase, complete cds	1.00E-158	326/336 (97%)	4/336 (1%)
MIN-02-85	429	g 11137694 emb AL162414.1 AL162414	Human DNA sequence from clone RP11-202G18 on chromosome 9, complete sequence [Homo sapiens]	0.004	27/28 (96%)	-
MIN-02-86	418	g 55047 emb X04663.1 JMMTUBM5	Mouse mRNA for beta-tubulin (isotype Mbeta 5)	1.00E-159	314/321 (97%)	2/321 (0%)
MIN-02-87	648	g 7657565 ref NM_015756.1	Mus musculus shroom (shrm), mRNA	0	635/635 (100%)	-
MIN-02-88	528	-	-	-	-	-
MIN-02-90	385	g 9955695 emb AJ250375.1 JMMU250375	Mus musculus mRNA for death associated protein 3 (DAP-3 gene)	0	351/351 (100%)	-
MIN-02-91	447	g 7958958 gb AC022521.4 AC022521	Arabidopsis thaliana chromosome I BAC T14P4 genomic sequence, complete sequence	0.001	28/29 (96%)	-
MIN-02-93	405	g 6013615 gb AC008160.1 AC008160	Mus musculus, clone 187_J_17, complete sequence	2.00E-07	31/31 (100%)	-
MIN-02-94	580	g 6755357 ref NM_012053.1	Mus musculus ribosomal protein L8 (Rpl8), mRNA	0	566/568 (99%)	2/568 (0%)
MIN-02-95	529	g 199901 gb J01420.1 MUSMTCG	Mouse vacuolar H(+)-ATPase (mvp) mRNA, complete cds	0	513/516 (99%)	-
MIN-03-01	499	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	485/485 (100%)	-
MIN-03-02	500	g 202209 gb J01420.1 MUSMTCG	Mouse alpha-tubulin isotype M-alpha-2 mRNA, complete cds	0	479/481 (99%)	1/481 (0%)
MIN-03-03	501	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	487/487 (100%)	-
MIN-03-04	497	g 6753211 ref NM_009773.1	Mus musculus budding uninhibited by benzimidazoles 1 homolog, beta (S. cerevisiae) (Bub1b), mRNA	1.00E-153	279/280 (99%)	-
MIN-03-05	499	g 7106330 ref NM_010436.1	Mus musculus histone 5 protein 2ax (H1s5-2ax), mRNA	0	481/487 (98%)	1/487 (0%)
MIN-03-06	502	g 7106428 ref NM_009304.1 Syngn2	Mus musculus synaptogyrin 2 (Syngn2), mRNA	0	486/488 (100%)	-
MIN-03-07	653	g 54127 emb X06683.1 JMMSD01	Mouse mRNA for Cu-Zn superoxide dismutase (EC 1.15.1.1)	0	533/535 (99%)	1/535 (0%)
MIN-03-08	498	g 7948988 ref NM_016764.1	Mus musculus peroxiredoxin 4 (Prdx4), mRNA	1.00E-164	294/294 (100%)	-
MIN-03-09	499	g 6684154 gb AF213257.1 AF213257	Mus musculus SNAP-23 gene, exon 8 and complete cds	1.00E-147	273/274 (99%)	1/274 (0%)
MIN-03-10	501	g 6678110 ref NM_009262.1	Mus musculus sparc/osteonectin, cwcw and kazal-like domains proteoglycan 1 (Spock1), mRNA	0	486/487 (99%)	1/487 (0%)
MIN-03-11	498	g 536925 gb U13262.1 JMMU13262	Mus musculus myelin gene expression factor (MEF-2) mRNA, partial cds	0	480/484 (99%)	2/484 (0%)
MIN-03-12	495	g 1667369 emb Y07611.1 JMPKNEP1	M.musculus PKN gene and gene for prostanoid EP1 receptor	1.00E-154	277/277 (100%)	-
MIN-03-13	500	g 623381 gb AF267747.1 AF267747	Mus musculus p47-phox gene, complete cds	0.058	34/38 (89%)	-
MIN-03-14	250	g 3150275 gb L07096.1 JMMSTMHYBP	Mus domesticus strain MiLP mitochondrion, complete sequence	1.00E-126	235/238 (98%)	-
MIN-03-15	497	g 6753243 ref NM_009790.1	Mus musculus calmodulin (Calm), mRNA	0	475/483 (98%)	6/483 (1%)
MIN-03-16	497	g 49842 emb X59379.1 JMMABP	Mouse mRNA for amyloid beta precursor (protease nexin II)	0	483/483 (100%)	-
MIN-03-17	499	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	485/485 (100%)	-
MIN-03-18	499	g 6680931 ref NM_007693.1	Mus musculus chromogranin A (Chga), mRNA	0	415/415 (100%)	-
MIN-03-19	499	g 6224681 gb AF144093.1 AF144093	Mus musculus unconventional myosin-15 gene, complete sequence	8.00E-32	93/100 (93%)	-
MIN-03-20	499	g 6678412 ref NM_009415.1	Mus musculus triosephosphate isomerase (Tpi), mRNA	0	483/485 (99%)	1/485 (0%)
MIN-03-21	602	g 1261918 emb X82564.1 JMM455RRNA	M.musculus 45S pre rRNA gene	0	581/586 (99%)	2/586 (0%)
MIN-03-22	499	g 2826243 gb J67469.1 J67469	Methanococcus jannaschii section 11 of 150 of the complete genome	0.058	22/22 (100%)	-
MIN-03-23	499	g 6680923 ref NM_007687.1	Mus musculus cofilin 1, non-muscle (Cfl1), mRNA	0	486/486 (100%)	-
MIN-03-24	499	g 8096291 dbj AB042809.1 AB042809	Mus musculus mitochondrial DNA, complete genome, strain:SAMP8	0	485/485 (100%)	-
MIN-03-25	499	g 342520 gb J01420.1 MUSMTCG	Mouse mitochondrion, complete genome	0	485/485 (100%)	-

MIN-03-26	499	gi 1203838 gb U47430.1 MMU47430	Mus musculus domesticus mitochondrial DNA type 1 control region and flanking tRNA genes	0	485/485 (100%)	-
MIN-03-27	498	gi 2114151 dbj D85605.1 D85605	Mouse DNA for cholecystokinin type-A receptor, complete cds	2.00E-48	148/164 (90%)	-
MIN-03-28	499	gi 7290992 gb AE003446.1 AE003446	Drosophila melanogaster genomic scaffold 14200013386054 section 30 of 35, complete sequence	0.015	26/27 (96%)	-
MIN-03-29	354	gi 342520 gb J01420.1 J01420	Mouse mitochondrion, complete genome	0	333/336 (99%)	1/336 (0%)
MIN-03-30	499	gi 7292821 gb AE003491.1 AE003491	Drosophila melanogaster genomic scaffold 14200013386053 section 8 of 30, complete sequence	2.00E-05	58/68 (85%)	-
MIN-03-31	411	gi 194066 gb M25389.1 M25389	Mouse islet amyloid polypeptide mRNA, complete cds	0	392/392 (100%)	-
MIN-03-32	463	gi 861212 gb J012129.1 J012129	Mus musculus breast heat shock 73 protein (hsc73) mRNA, complete cds	0	440/449 (97%)	-
MIN-03-33	499	gi 8096291 dbj AB042809.1 AB042809	Mus musculus mitochondrion DNA, complete genome, strain:SAMP8	0	483/485 (99%)	2/485 (0%)
MIN-03-34	499	gi 342520 gb J01420.1 J01420	Mouse mitochondrion, complete genome	0	485/485 (100%)	-
MIN-03-35	499	gi 9845241 ref NM_019877.1	Mus musculus nonlathrin coat protein zeta-2-COP (Copz2), mRNA	0	481/485 (99%)	2/485 (0%)
MIN-03-36	448	gi 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	0	333/333 (100%)	-
MIN-03-37	453	gi 8789932 ref NM_019837.1	Mus musculus diphosphoinositol polyphosphate phosphohydrolase (Dipp), mRNA	0	437/440 (99%)	1/440 (0%)
MIN-03-38	500	gi 4096170 gb J25809.1 J25809	Mus musculus serine/threonine protein phosphatase type 1 alpha mRNA, complete cds	0	483/486 (99%)	2/486 (0%)
MIN-03-39	607	gi 7305598 ref NM_013697.1	Mus musculus transthyretin (Trt), mRNA	0	593/593 (100%)	-
MIN-03-40	499	gi 9790034 ref NM_019763.1	Mus musculus Mx2 interacting nuclear target protein (LOC56381), mRNA	0	484/486 (99%)	2/486 (0%)
MIN-03-41	499	gi 6679936 ref NM_008084.1	Mus musculus glyceraldehyde-3-phosphate dehydrogenase (Gadp), mRNA	0	480/485 (98%)	2/485 (0%)
MIN-03-42	499	gi 193652 gb M13964.1 M13964	Mouse stimulatory G protein of adenylate cyclase, alpha chain mRNA, complete cds	0	435/436 (99%)	-
MIN-03-43	500	gi 6680649 ref NM_007408.1	Mus musculus adipose differentiation related protein (Adfp), mRNA	0	486/487 (99%)	1/487 (0%)
MIN-03-44	439	gi 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	0	332/334 (99%)	1/334 (0%)
MIN-03-45	490	gi 9790202 ref NM_019642.1	Mus musculus ribophorin (Ron), mRNA	0	425/425 (100%)	-
MIN-03-46	562	gi 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	543/548 (99%)	2/548 (0%)
MIN-03-47	499	gi 6651049 gb AF133093.1 AF133093	Mus musculus X chromosome: L1 cam locus, complete sequence	0.058	25/26 (96%)	-
MIN-03-48	501	gi 9910163 ref NM_019978.1	Mus musculus doublecortin-like kinase (Cpg16), mRNA	0	481/481 (100%)	-
MIN-03-49	499	gi 493522 gb U07950.1 U07950	Mus musculus BALB/c GDP-dissociation inhibitor (GDI-1) mRNA, partial cds	1.00E-67	132/132 (100%)	-
MIN-03-50	499	gi 8096291 dbj AB042809.1 AB042809	Mus musculus mitochondrion DNA, complete genome, strain:SAMP8	0	484/485 (99%)	-
MIN-03-51	500	gi 4092493 gb AF067824.1 AF067824	Mus musculus clone SMT3B-g1/mSMT3 SMT3B pseudogene, complete sequence	0	486/487 (99%)	-
MIN-03-52	497	gi 6753913 ref NM_010240.1	Mus musculus ferritin light chain 1 (Ftl1), mRNA	0	482/484 (99%)	1/484 (0%)
MIN-03-53	499	gi 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	485/485 (100%)	-
MIN-03-54	499	gi 8895707 gb AF225910.1 AF225910	Mus musculus DAZ-associated protein 1 (Dazap1) mRNA, complete cds	0	422/424 (99%)	-
MIN-03-55	553	gi 3189207 gb AC002324.1 AC002324	Mus musculus chromosome 11, clone 475_H_14, complete sequence	1.00E-117	216/216 (100%)	-
MIN-03-56	219	gi 342520 gb J01420.1 J01420	Mouse mitochondrion, complete genome	5.00E-53	136/146 (93%)	1/146 (0%)
MIN-03-57	499	gi 729431 gb AE003508.1 AE003508	Drosophila melanogaster genomic scaffold 14200013386053 section 25 of 30, complete sequence	0.058	22/22 (100%)	-
MIN-03-58	499	gi 8546861 emb AJ278429.1 AJ278429	Mus musculus partial Prkar1a gene for cAMP-dependent protein kinase regulatory subunit R1alpha, exons 8	0	485/486 (99%)	1/486 (0%)
MIN-03-59	499	gi 6753707 ref NM_010097.1	Mus musculus extracellular matrix protein 2 (Ecm2), mRNA	0	485/486 (99%)	1/486 (0%)
MIN-03-60	500	gi 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	482/487 (98%)	2/487 (0%)
MIN-03-61	498	gi 897829 gb U18295.1 U18295	Mus musculus histone H1(O) gene, complete cds	0	484/484 (100%)	-
MIN-03-62	439	gi 7305598 ref NM_013697.1	Mus musculus transthyretin (Trt), mRNA	0	414/425 (97%)	-
MIN-03-63	499	gi 1914850 gb U92454.1 U92454	Mus musculus WW domain binding protein 5 mRNA, partial cds	0	329/329 (100%)	-
MIN-03-64	500	gi 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	486/486 (100%)	-
MIN-03-65	500	gi 9910517 ref NM_019933.1	Mus musculus testis-enriched protein tyrosine phosphatase (Ptm4), mRNA	1.00E-103	203/207 (98%)	-
MIN-03-66	500	gi 8096291 dbj AB042809.1 AB042809	Mus musculus mitochondrion DNA, complete genome, strain:SAMP8	0	485/486 (99%)	1/486 (0%)
MIN-03-67	501	gi 9623381 gb AF267747.1 AF267747	Mus musculus p47-phox gene, complete cds	2.00E-07	46/51 (90%)	-
MIN-03-68	500	gi 9055279 ref NM_018774.1	Mus musculus early development regulator 2 (homolog of polyhomeotic 2) (Edr2), mRNA	0	485/486 (99%)	-
MIN-03-69	499	gi 7453621 gb AF234171.1 AF234171	Mus musculus STAT5B (Stat5b) gene, partial cds	2.00E-44	115/121 (95%)	1/121 (0%)
MIN-03-70	522	gi 7657119 ref NM_015740.1	Mus musculus general control of amino acid synthesis-like 1 (yeast) (Gcn5l1), mRNA	0	419/423 (99%)	-
MIN-03-71	484	gi 2435502 gb AF020308.1 AF020308	Mus musculus HRS gene, complete cds	1.00E-120	242/247 (97%)	3/247 (1%)
MIN-03-72	444	gi 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	0	332/333 (99%)	-
MIN-03-73	501	gi 4887001 gb AF121839.1 AF121839	Mus musculus cell-line LXB2 cathepsin L mRNA, complete cds	0	487/487 (100%)	-
MIN-03-74	497	gi 6651000 gb AF125314.1 AF125314	Mus musculus X chromosome myotubularin (Mtm1) and myotubularin related 1 (Mtmr1) genes, complete cd	6.00E-08	95/36 (97%)	-
MIN-03-75	500	gi 6753779 ref NM_010160.1	Mus musculus elav-type RNA-binding protein 3 (Etr3-pending), mRNA	0	485/487 (99%)	2/487 (0%)
MIN-03-76	497	gi 249386 gb S36200.1 S36200	saposin-sphingolipid activator protein [rice, liver, mRNA, 2567 nt]	0	485/485 (100%)	-
MIN-03-77	501	gi 342520 gb J01420.1 J01420	Mouse mitochondrion, complete genome	0	487/487 (100%)	-
MIN-03-78	499	gi 6677862 ref NM_009128.1	Mus musculus stearoyl-Coenzyme A desaturase 2 (Scd2), mRNA	1.00E-162	297/298 (99%)	1/298 (0%)
MIN-03-79	500	gi 6694224 gb AF184245.1 AF184245	Danio rerio ribonucleoprotein (hug) mRNA, complete cds	1.00E-06	30/30 (100%)	-
MIN-03-80	497	gi 1205975 gb U14172.1 U14172	Mus musculus p162 protein mRNA, complete cds	0	383/383 (100%)	-
MIN-03-81	497	gi 6739574 gb AF172088.1 AF172088	Mus musculus TBX2 protein mRNA, partial cds	0	483/483 (100%)	-
MIN-03-82	503	gi 6679594 ref NM_009003.1	Mus musculus RAB4A, member RAS oncogene family (Rab4a), mRNA	0	486/487 (99%)	-
MIN-03-83	500	gi 7300322 gb AE003720.1 AE003720	Drosophila melanogaster genomic scaffold 14200013386035 section 45 of 105, complete sequence	0.23	27/29 (93%)	-
MIN-03-84	499	gi 2689877 gb U71085.1 U71085	Mus musculus insulin-like growth factor II (Igf2) gene, complete cds	1.00E-122	238/240 (99%)	2/240 (0%)
MIN-03-85	499	gi 3189207 gb AC002324.1 AC002324	Mus musculus chromosome 11, clone 475_H_14, complete sequence	0.058	31/34 (91%)	-
MIN-03-86	497	gi 6755225 ref NM_011200.1	Mus musculus protein tyrosine phosphatase 4a1 (Ptp4a1), mRNA	0	466/485 (96%)	5/485 (1%)
MIN-03-87	499	gi 3820432 gb Z47787.1 Z47787	M.musculus mRNA for glucose-6-phosphatase	0	405/405 (100%)	-
MIN-03-88	513	gi 6755477 ref NM_011358.1	Mus musculus splicing factor, arginine/serine-rich 2 (SC-35) (Sfrs2), mRNA	0	427/438 (97%)	2/438 (0%)
MIN-03-89	499	gi 1377869 gb U58134.1 U58134	Mus musculus poly(A) polymerase VI mRNA, complete cds	0	481/483 (99%)	2/483 (0%)
MIN-03-90	430	gi 6753363 ref NM_009861.1	Mus musculus cell division cycle 42 homolog (S. cerevisiae) (Cdc42), mRNA	0	385/393 (97%)	2/393 (0%)
MIN-03-91	499	gi 6671566 ref NM_007466.1	Mus musculus apoptosis inhibitory protein 5 (Aip5), mRNA	0	482/485 (99%)	-
MIN-03-92	502	gi 9888888 gb AF178934.1 AF178934	Mus musculus Fanconi anemia group A (Fanca) mRNA, complete cds	0	488/488 (100%)	-
MIN-03-93	499	gi 7106438 ref NM_011655.1	Mus musculus tubulin, beta 5 (Tubb5), mRNA	0	340/345 (98%)	-
MIN-03-94	384	gi 6754501 ref NM_010685.1	Mus musculus lysosomal membrane glycoprotein 2 (Lamp2), mRNA	0	347/349 (99%)	-
MIN-03-95	449	gi 6680835 ref NM_007591.1	Mus musculus calreticulin (Calr), mRNA	1.00E-127	232/232 (100%)	-
MIN-03-96	499	gi 6755373 ref NM_011299.1	Mus musculus ribosomal protein S6 kinase, 90kD, polypeptide 2 (Rps6ka2), mRNA	0	485/485 (100%)	-
MIN-04-01	545	gi 8096291 dbj AB042809.1 AB042809	Mus musculus mitochondrion DNA, complete genome, strain:SAMP8	0	530/532 (99%)	2/532 (0%)
MIN-04-02	499	gi 4091972 gb AF073797.1 AF073797	Mus musculus cosmid MPMGC121L12287 containing the syntenic region of the human AIRE gene, complete	8.00E-69	143/146 (97%)	-
MIN-04-03	499	gi 6753243 ref NM_008790.1	Mus musculus calmodulin (Calm), mRNA	0	476/485 (98%)	7/485 (1%)
MIN-04-04	499	gi 6754765 ref NM_010847.1	Mus musculus Max interacting protein 1 (Mxi1), mRNA	0	485/485 (100%)	-
MIN-04-05	499	gi 2828220 gb AC004093.1 AC004093	Mus musculus (129SV) DNA, unmapped BAC 10817, complete sequence	1.00E-131	248/251 (98%)	-
MIN-04-06	653	gi 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	630/639 (98%)	2/639 (0%)
MIN-04-07	500	gi 3818382 gb AC003060.1 AC003060	Mus musculus Chromosome 16 BAC Clone 72K21 Syntenic To Homo sapiens 22q11.2 DGC Region, compl	1.00E-06	30/30 (100%)	-
MIN-04-08	498	gi 9505418 ref NM_019517.1	Mus musculus beta-site APP-cleaving enzyme 2 (Bace2), mRNA	0	481/484 (99%)	1/484 (0%)
MIN-04-09	500	gi 10048459 ref NM_020486.1	Mus musculus lutheran glycoprotein (Lu), mRNA	0	485/486 (100%)	-
MIN-04-10	500	gi 881484 gb U27830.1 U27830	Mus musculus mST11 mRNA, complete cds	0	488/488 (100%)	-
MIN-04-11	499	gi 342520 gb J01420.1 J01420	Mouse mitochondrion, complete genome	0	485/485 (100%)	-
MIN-04-12	411	gi 7657066 ref NM_015774.1	Mus musculus ERO1-like (S. cerevisiae) (Ero1I-pending), mRNA	0	393/397 (99%)	1/397 (0%)
MIN-04-13	499	gi 342520 gb J01420.1 J01420	Mouse mitochondrion, complete genome	0	485/486 (99%)	-
MIN-04-14	500	gi 6678284 ref NM_009351.1	Mus musculus telomerase associated protein 1 (Tep1), mRNA	5.00E-67	131/131 (100%)	-
MIN-04-15	437	gi 52712 emb X04725.1 X04725	Mouse preproinsulin gene I	0	404/404 (100%)	-
MIN-04-16	499	gi 342520 gb J01420.1 J01420	Mouse mitochondrion, complete genome	0	485/485 (100%)	-
MIN-04-17	500	gi 6754975 ref NM_011034.1	Mus musculus proliferation-associated gene A (Paga), mRNA	0	486/486 (100%)	-
MIN-04-18	421	gi 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	0	333/333 (100%)	-
MIN-04-19	499	gi 2133880 gb AC002121.1 AC002121	Genomic sequence from Mouse 11, complete sequence [Mus musculus]	9.00E-41	114/123 (92%)	-
MIN-04-20	499	gi 342520 gb J01420.1 J01420	Mouse mitochondrion, complete genome	0	485/485 (100%)	-
MIN-04-21	499	gi 7619720 emb AL021127.1 AL021127	Mus musculus chromosome X contigA: putative Magea9 gene, Caltractin, NAD(P) steroid dehydrogenase a	1.00E-06	46/50 (92%)	-
MIN-04-22	500	gi 7670451 dbj AB041594.1 AB041594	Mus musculus brain cDNA, clone MNCB-2831	0	485/487 (99%)	1/487 (0%)
MIN-04-23	599	gi 52714 emb X04724.1 X04724	Mouse preproinsulin gene II	0	356/356 (100%)	-
MIN-04-24	443	gi 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	0	333/333 (100%)	-
MIN-04-25	447	gi 342520 gb J01420.1 J01420	Mouse mitochondrion, complete genome	0	423/433 (97%)	2/433 (0%)
MIN-04-26	498	gi 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	480/485 (98%)	2/485 (0%)
MIN-04-27	499	gi 2982825 gb S55685.1 S55685	MOR6.5=ouabain resistance gene [repeat sequence] [Arnc, Genomic, 6395 nt]	9.00E-38	115/123 (93%)	6/123 (4%)
MIN-04-28	490	gi 6671568 ref NM_007475.1	Mus musculus acidic ribosomal phosphoprotein PO (Arpc), mRNA	0	477/477 (100%)	-
MIN-04-29	499	gi 342520 gb J01420.1 J01420	Mouse mitochondrion, complete genome	0	366/366 (100%)	-
MIN-04-30	499	gi 342520 gb J01420.1 J01420	Mouse mitochondrion, complete genome	0	485/485 (100%)	-

MIN-04-31	500	g 1914824 gb J01283.1 MMU61283	Mus musculus 26S protease ATPase (mss1) mRNA, partial cds	0	471/486 (96%)	-
MIN-04-32	499	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	485/485 (100%)	-
MIN-04-33	497	g 3169207 gb AC002324.1 AC002324	Mus musculus chromosome 11, clone 475_H_14, complete sequence	0	323/323 (100%)	-
MIN-04-34	441	g 6680462 ref NM_003887.1	Mus musculus insulin II (Ins2), mRNA	0	333/333 (100%)	-
MIN-04-35	497	g 4971716 gb U07633.1 MMU07633	Mus musculus B6/CBA beta-hexosaminidase (Hexb) mRNA, complete cds	0	483/483 (100%)	-
MIN-04-36	506	g 8096291 dbj AB042809.1 AB042809	Mus musculus mitochondrial DNA, complete genome, strain:SAMP8	0	490/490 (100%)	-
MIN-04-37	500	g 191789 gb M34644.1 MUSAGP8A	M. caroli alpha-1-acid glycoprotein (AGP) gene, 5' flank and exon 1	0	456/484 (94%)	2/484 (0%)
MIN-04-38	342	g 517126 dbj D37790.1 MUSB14GA	Mouse mRNA for beta-1,4-galactosyltransferase	1.00E-178	327/329 (99%)	1/329 (0%)
MIN-04-39	607	g 7305598 ref NM_013697.1	Mus musculus transthyretin (Ttr), mRNA	0	592/593 (99%)	-
MIN-04-40	409	g 6755283 ref NM_011239.1	Mus musculus RAN binding protein 1 (Ranbp1), mRNA	0	386/387 (99%)	1/387 (0%)
MIN-04-48	500	g 619503 emb X83590.1 MMRPL5	M.musculus mRNA for ribosomal protein L5, 3'end	0	346/348 (99%)	-
MIN-04-41	507	g 10198129 gb AF286163.1 AF286163	Mus musculus Phosphoinositol 4-phosphate Adaptor Protein-1 mRNA, complete cds	0	447/447 (100%)	-
MIN-04-42	499	g 854321 emb X86694.1 JMPEA15	M.musculus mRNA for astrocytic phosphoprotein, PEA-15	0	412/414 (99%)	-
MIN-04-44	487	g 6753447 ref NM_009906.1	Mus musculus ceroid-lipofuscinosis, neuronal 2 (Cln2), mRNA	0	473/473 (100%)	-
MIN-04-43	487	g 9845241 ref NM_019877.1	Mus musculus nonclathrin coat protein zeta2-COP (Copz2), mRNA	0	467/473 (98%)	2/473 (0%)
MIN-04-45	502	g 6671538 ref NM_007438.1	Mus musculus aldolase 1, A isoform (Aldo1), mRNA	0	415/416 (99%)	1/416 (0%)
MIN-04-46	500	g 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	486/486 (100%)	-
MIN-04-47	508	g 1226234 gb U21549.1 MMU21549	Mus musculus Ac39/physophilin mRNA, complete cds	0	494/495 (99%)	1/495 (0%)
MIN-04-49	500	g 6677786 ref NM_009085.1	Mus musculus RNA polymerase 1-1 (40 kDa subunit) (Rpo1-1), mRNA	6.00E-82	156/156 (100%)	-
MIN-04-50	378	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	1.00E-164	348/364 (95%)	2/364 (0%)
MIN-04-51	198	g 7242170 ref NM_011045.1	Mus musculus proliferating cell nuclear antigen (Pcna), mRNA	6.00E-83	157/157 (100%)	-
MIN-04-52	506	g 7106362 ref NM_008693.1 Mtap4	Mus musculus microtubule-associated protein 4 (Mtap4), mRNA	0	492/492 (100%)	-
MIN-04-53	524	g 6010218 emb Y09046.1 MMPXFBALB	M.musculus mRNA for PxF protein, strain BALB/c	0	508/510 (99%)	1/510 (0%)
MIN-04-54	499	g 6671538 ref NM_007438.1	Mus musculus aldolase 1, A isoform (Aldo1), mRNA	0	423/424 (99%)	1/424 (0%)
MIN-04-55	504	g 9845264 ref NM_019883.1	Mus musculus ubiquitin/60S ribosomal fusion protein (LOC55612), mRNA	0	464/464 (100%)	-
MIN-04-56	509	g 9910407 ref NM_020007.1	Mus musculus muscleblin (Drosophila)-like (Mbnl), mRNA	0	478/479 (99%)	-
MIN-04-57	536	g 55490 emb X52379.1 MSALEN	Mouse mRNA for alpha-enolase (2-phospho-D-glycerate hydrolase) (EC 4.2.1.11)	0	485/485 (100%)	-
MIN-04-58	520	g 6680715 ref NM_007476.1	Mus musculus ADP-ribosylation factor 1 (Arf1), mRNA	0	507/508 (99%)	-
MIN-04-59	528	g 4868332 gb AF129888.1 AF129888	Mus musculus Sui1 homolog mRNA, complete cds	0	477/481 (99%)	-
MIN-04-60	400	g 6680462 ref NM_003887.1	Mus musculus insulin II (Ins2), mRNA	1.00E-164	300/301 (99%)	1/301 (0%)
MIN-04-61	319	g 3080762 gb AF038593.1 MMGPGS1	Mus musculus G protein gamma 4 subunit (GNG4) gene, exon 2	1.00E-05	31/32 (96%)	-
MIN-04-62	406	g 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	388/392 (98%)	-
MIN-04-63	534	g 6680931 ref NM_007693.1	Mus musculus chromogranin A (Chga), mRNA	0	519/520 (99%)	-
MIN-04-64	395	g 7768311 emb J249895.1 MMU249895	Mus musculus mas proto-oncogene and Igf2r gene for insulin-like growth factor type 2 and L41ps and Au7	1.00E-119	315/335 (94%)	9/335 (2%)
MIN-04-65	514	g 6671568 ref NM_007475.1	Mus musculus acidic ribosomal phosphoprotein P0 (Arbp), mRNA	0	502/502 (100%)	-
MIN-04-66	520	g 6679438 ref NM_008907.1	Mus musculus peptidylprolyl isomerase A (Ppia), mRNA	0	507/507 (100%)	-
MIN-04-67	544	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	530/530 (100%)	-
MIN-04-68	468	g 1336719 gb S81027.1 S81027	Msr-110=EN protein binding gene/engrailed nuclear homeoprotein-regulated gene [Drosophila melanogast	1.00E-09	35/35 (100%)	-
MIN-04-69	449	g 6680462 ref NM_003887.1	Mus musculus insulin II (Ins2), mRNA	0	333/333 (100%)	-
MIN-04-70	503	g 9790052 ref NM_019756.1	Mus musculus delta-tubulin (LOC56427), mRNA	0	472/473 (99%)	-
MIN-04-71	464	g 2443271 dbj AB001428.1 AB001428	Mus musculus mRNA for motor domain of KIF 12, partial cds	3.00E-16	46/46 (100%)	-
MIN-04-72	515	g 6677780 ref NM_009082.1	Mus musculus ribosomal protein L29 (Rpl29), mRNA	0	494/501 (98%)	-
MIN-04-73	500	g 556300 gb M22432.1 MUSEFTU	Mus musculus protein synthesis elongation factor Tu (eEF-Tu, eEF-1-alpha) mRNA, complete cds	0	485/486 (99%)	-
MIN-04-74	486	g 6754801 ref NM_011308.1	Mus musculus nuclear receptor co-repressor 1 (Ncor1), mRNA	0	472/472 (100%)	-
MIN-04-75	453	g 6680462 ref NM_003887.1	Mus musculus insulin II (Ins2), mRNA	0	333/333 (100%)	-
MIN-04-76	460	g 6680462 ref NM_003887.1	Mus musculus insulin II (Ins2), mRNA	0	333/333 (100%)	-
MIN-04-77	513	g 2555185 gb AF027865.1 MMMMH461	Mus musculus Major Histocompatibility Locus class II region	7.00E-11	401/471 (9%)	-
MIN-04-78	516	g 9910545 ref NM_019942.1	Mus musculus septin 6 (Sept6), mRNA	0	485/486 (99%)	-
MIN-04-79	533	g 6678364 ref NM_009391.1	Mus musculus RAN, member RAS oncogene family (Ran), mRNA	0	519/519 (100%)	-
MIN-04-80	527	g 6680649 ref NM_007408.1	Mus musculus adipose differentiation related protein (Adip), mRNA	0	504/504 (100%)	-
MIN-04-81	477	g 6753447 ref NM_009906.1	Mus musculus ceroid-lipofuscinosis, neuronal 2 (Cln2), mRNA	0	463/463 (100%)	-
MIN-04-82	447	g 7305178 ref NM_013562.1	Mus musculus interferon-related developmental regulator 1 (Irfd1), mRNA	0	443/447 (99%)	1/447 (0%)
MIN-04-83	476	g 2828220 gb AC004093.1 AC004093	Mus musculus (129SV) DNA, unmapped BAC 10817, complete sequence	1.00E-30	120/134 (89%)	2/134 (1%)
MIN-04-84	520	g 6679268 ref NM_008814.1	Mus musculus pancreatic and duodenal homeobox gene 1 (Pdx1), mRNA	0	501/501 (100%)	-
MIN-04-85	522	g 6755681 ref NM_011499.1	Mus musculus serine/threonine kinase receptor associated protein (Straap), mRNA	1.00E-160	289/290 (99%)	-
MIN-04-86	480	g 9845264 ref NM_019883.1	Mus musculus ubiquitin/60S ribosomal fusion protein (LOC55612), mRNA	0	453/454 (99%)	-
MIN-04-87	530	g 950000 gb U20365.1 MMMSGAS2	Mus musculus smooth muscle gamma-actin gene, complete cds	3.00E-07	37/39 (94%)	-
MIN-04-88	469	g 6863078 dbj AP001111.1 AP001111	Oryza sativa genomic DNA, chromosome 5, clone:P0699E04	0.22	21/21 (100%)	-
MIN-04-89	534	g 407465 emb X75312.1 MMRNAQM	M.musculus (C57BL/6) QM mRNA	0	520/521 (99%)	-
MIN-04-90	495	g 192364 gb M27844.1 MUSCAM	Mus musculus calmodulin synthesis (CaM) cDNA, complete cds	0	441/442 (99%)	-
MIN-04-91	503	g 6753243 ref NM_009790.1	Mus musculus calmodulin (Calm), mRNA	0	474/483 (98%)	6/483 (1%)
MIN-04-92	512	g 8096291 dbj AB042809.1 AB042809	Mus musculus mitochondrial DNA, complete genome, strain:SAMP8	0	502/504 (99%)	2/504 (0%)
MIN-04-93	516	g 9944331 gb AF190699.1 AF190699	Mus musculus Ttyh1 mRNA, complete cds	0	464/464 (100%)	-
MIN-04-94	508	g 9789974 ref NM_019667.1	Mus musculus Hrs binding protein (Hbp), mRNA	0	477/478 (99%)	1/478 (0%)
MIN-04-95	436	g 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	425/430 (98%)	-
MIN-04-96	387	g 1717733 gb AC000012.1 MSGY126	Mycobacterium tuberculosis sequence from clone y126	0.18	21/21 (100%)	-
MIN-05-01	435	g 1019811 gb AF281676.1 AF281676	Mus musculus protein phosphatase inhibitor-1 mRNA, complete cds	0	341/342 (99%)	1/342 (0%)
MIN-05-02	392	g 10719848 gb AC018832.4 AC018832	Homo sapiens chromosome 3 clone RP11-48107 map 3p, complete sequence	0.83	23/24 (95%)	-
MIN-05-03	340	g 38429 emb X69907.1 HSAATPCP1	H.sapiens gene for mitochondrial ATP synthase c subunit (P1 form)	1.00E-14	92/107 (85%)	1/107 (0%)
MIN-05-04	412	g 1072732 gb AE003575.2 AE003575	Drosophila melanogaster genomic scaffold 14200001386046 section 16 of 16, complete sequence	3.4	19/19 (100%)	-
MIN-05-05	495	g 1336719 gb S81027.1 S81027	Msr-110=EN protein binding gene/engrailed nuclear homeoprotein-regulated gene [Drosophila melanogast	4.00E-25	61/61 (100%)	-
MIN-05-06	377	g 9622364 gb AF172642.1 AF172642	Mus musculus ocular albinism type 1 protein (Oa1) gene, complete cds	1.00E-144	349/377 (92%)	1/377 (0%)
MIN-05-07	393	g 53599 emb X53068.1 JMPCNA	Mouse mRNA for proliferating cell nuclear antigen	0	375/380 (98%)	-
MIN-05-08	338	g 1161182 gb AF287263.1 AF287263	Mus musculus ATP-binding cassette 1, sub-family A, member 1 (Abca1) gene, complete cds	2.00E-22	62/64 (96%)	-
MIN-05-09	431	g 194500 gb M36332.1 JMUSGFI4	Mouse insulin-like growth factor II (IGF-II) gene, exons 5 and 6	0	417/418 (99%)	1/418 (0%)
MIN-05-10	436	g 92566518 ref NM_018853.1	Mus musculus ribosomal protein, large, P1 (Rplp1), mRNA	0	423/425 (99%)	1/425 (0%)
MIN-05-11	455	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	349/349 (100%)	-
MIN-05-13	510	g 1072760 gb AE003822.2 AE003822	Drosophila melanogaster genomic scaffold 14200001386047 section 21 of 52, complete sequence	4.00E-34	151/176 (85%)	-
MIN-05-14	232	g 4688932 emb X76341.2 MMMRNAGR	Mus musculus mRNA for glutathione reductase	1.00E-111	220/225 (97%)	-
MIN-05-16	367	g 6755353 ref NM_011290.1	Mus musculus ribosomal protein L6 (Rpl6), mRNA	0	347/349 (99%)	-
MIN-05-17	380	g 12044834 gb AC012526.3 AC012526	Mus musculus chromosome 16 clone rp21-67111 strain 129S6/SvEvTac, complete sequence	6.00E-08	56/64 (87%)	-
MIN-05-18	321	g 391760 dbj D116847.1 JMUSSCP1	Mouse mRNA for stromal cell derived protein-1, complete cds	1.00E-178	317/317 (100%)	-
MIN-05-19	287	g 6753363 ref NM_009861.1	Mus musculus cell division cycle 42 homolog (S. cerevisiae) (Cdc42), mRNA	1.00E-130	266/274 (97%)	2/274 (0%)
MIN-05-20	358	g 193484 gb M14951.1 JMUSGFII	Mouse insulin-like growth factor II (IGF-II) mRNA, complete cds	0	341/342 (99%)	-
MIN-05-21	458	g 504080 emb X51429.1 JMCHRB	Mouse mRNA for chromogranin B (secretogranin I)	0	398/401 (99%)	2/401 (0%)
MIN-05-22	402	g 192723 gb M64278.1 MUSCRGA	Mouse chromogranin A cDNA, complete cds	0	388/388 (100%)	-
MIN-05-23	345	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	330/331 (99%)	-
MIN-05-24	221	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	1.00E-108	207/208 (99%)	1/208 (0%)
MIN-05-25	385	g 7949022 ref NM_016760.1	Mus musculus clathrin, light polypeptide (Lca) (Clta), mRNA	1.00E-163	360/376 (95%)	10/376 (2%)
MIN-05-26	420	g 54095 emb X68837.1 JMMSGIIA2	M.musculus SgII gene for secretogranin II, exon 2	0	348/350 (99%)	2/350 (0%)
MIN-05-27	293	g 6680462 ref NM_003887.1	Mus musculus insulin II (Ins2), mRNA	1.00E-125	239/241 (99%)	1/241 (0%)
MIN-05-28	385	g 6677864 ref NM_009129.1	Mus musculus secretogranin II (Scg2), mRNA	1.00E-101	189/189 (100%)	-
MIN-05-29	385	g 6753913 ref NM_010240.1	Mus musculus ferritin light chain 1 (Ftl1), mRNA	0	352/356 (98%)	1/356 (0%)
MIN-05-31	454	g 7209497 dbj AB032825.1 AB032825	Mus musculus Tcea1-ps1 pseudogene	0	389/392 (99%)	1/392 (0%)
MIN-05-32	454	g 475011 dbj D29802.1 JMUSGPBSL	Mouse mRNA for G protein beta subunit homologue, complete cds	0	363/363 (100%)	-
MIN-05-33	395	g 2582527 gb AF026537.1 AF026537	Mus musculus prodynorphin mRNA, complete cds	0	367/367 (100%)	-
MIN-05-34	366	g 1200336 gb AF212319.1 AF212319	Mus musculus NADP+-specific isocitrate dehydrogenase mRNA, complete cds; nuclear gene for mitochon	1.00E-178	347/352 (98%)	4/352 (1%)
MIN-05-35	596	g 6678558 ref NM_009503.1	Mus musculus valosin containing protein (Vcp), mRNA	0	578/582 (99%)	1/582 (0%)
MIN-05-36	466	g 508525 gb L31642.1 JMUSCAMC	Mus musculus calmodulin (Camc) mRNA, 5' end	0	441/447 (98%)	3/447 (0%)
MIN-05-38	362	g 52714 emb X04724.1 JMINSIIIG	Mouse preproinsulin gene II	0	346/348 (99%)	-
MIN-05-39	426	g 6680715 ref NM_007476.1	Mus musculus ADP-ribosylation factor 1 (Arf1), mRNA	0	409/412 (99%)	1/412 (0%)

MIN-05-40	398	gi 666969 dbj D21252.1 JMUSOSF3	Mouse mRNA for OSF-3, complete cds		0	390/392 (99%)	2/392 (0%)
MIN-05-41	467	gi 620097 emb X80457.1 MMHMG1	M.musculus HMG1 gene	1.00E-140	258/260 (99%)	-	-
MIN-05-42	536	gi 54009 emb Y00348.1 MMRPS6	Mouse mRNA for ribosomal protein S6	0	521/522 (99%)	-	1/522 (0%)
MIN-05-43	400	gi 6679087 ref NM_008710.1	Mus musculus nicotinamide nucleotide transhydrogenase (Nnt), mRNA	0	383/386 (99%)	-	-
MIN-05-51	584	gi 11386008 gb AF320509.1 AF320509	Rattus norvegicus liver delta-5 desaturase mRNA, complete cds	1.00E-149	440/493 (89%)	-	13/493 (2%)
MIN-05-59	440	gi 6679065 ref NM_008698.1	Mus musculus 4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. ele)	0	427/427 (100%)	-	-
MIN-05-60	359	gi 55117 emb X51703.1 MMUBIQU	Mouse mRNA for ubiquitin	0	327/327 (100%)	-	-
MIN-05-61	504	gi 2897730 dbj AB011001.1 AB011001	Mus musculus mRNA for choline/ethanolamine kinase, complete cds	0	491/491 (100%)	-	-
MIN-05-62	587	gi 5757652 gb AF060088.1 AF060088	Mus musculus proteasome subunit C2 (Psm1) mRNA, complete cds	0	524/525 (99%)	-	1/525 (0%)
MIN-05-63	241	gi 3150275 gb U07096.1 JMUSMTHYPB	Mus domesticus strain MiP mitochondrion genome, complete sequence	1.00E-125	235/236 (99%)	-	1/236 (0%)
MIN-05-64	422	gi 6754953 ref NM_011018.1	Mus musculus oxidative stress induced (Osi), mRNA	0	365/365 (100%)	-	-
MIN-05-65	624	gi 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	571/571 (100%)	-	-
MIN-05-66	423	gi 200178 gb M25244.1 JMUSP28LAM	Mouse pre-B cell P2B/LAMP-1 mRNA, complete cds	0	416/417 (99%)	-	-
MIN-05-67	475	gi 6678420 gb X09419.1	Mus musculus protein-tyrosine sulfotransferase 2 (Tpst2), mRNA	0	460/461 (99%)	-	1/461 (0%)
MIN-05-68	393	gi 1743328 emb Y09919.1 MMCALCY	M.musculus gene encoding calcyphosine	2.00E-23	58/58 (100%)	-	-
MIN-05-69	509	gi 293320 gb L11318.1 JMUSCDC42M	Mouse CDC42Mm mRNA, 5' end	0	458/458 (100%)	-	-
MIN-05-70	345	gi 6678298 ref NM_009358.1	Mus musculus testis expressed gene 271 (Tex271), mRNA	1.00E-149	312/321 (97%)	-	6/321 (1%)
MIN-05-71	543	gi 3169207 gb AC002324.1 AC002324	Mus musculus chromosome 11, clone 475_H_14, complete sequence	0	529/529 (100%)	-	-
MIN-05-72	482	gi 9211013 dbj AB041882.1 AB041882	Mus musculus mRNA for TOPK, complete cds	0	430/431 (99%)	-	1/431 (0%)
MIN-05-73	338	gi 49911 emb X03351.1 MMALBR	Mouse mRNA for prealbumin	1.00E-177	323/324 (99%)	-	1/324 (0%)
MIN-05-74	432	gi 12331456 gb AC026464.6 AC026464	Homo sapiens chromosome 16 clone RP11-343C2, complete sequence	5.00E-30	156/185 (84%)	-	-
MIN-05-75	568	gi 7949044 ref NM_016750.1	Mus musculus H2A histone family, member Z (H2afz), mRNA	0	524/525 (99%)	-	-
MIN-05-76	471	gi 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	458/458 (100%)	-	-
MIN-05-77	641	gi 3659494 gb AC005332.1 AC005332	Homo sapiens chromosome 17, clone hRPC.147_L_13, complete sequence	2.00E-33	108/119 (90%)	-	-
MIN-05-78	574	gi 1622709 dbj D86177.1 D86177	Mouse mRNA for phosphatidylinositol 4-phosphate 5-kinase type I-beta, complete cds	0	344/346 (99%)	-	-
MIN-05-79	258	gi 6755561 ref NM_011404.1	Mus musculus solute carrier family 7 (cationic amino acid transporter, y+ system), member 5 (Slc7a5), mRN	1.00E-125	252/256 (98%)	-	3/256 (1%)
MIN-05-81	533	gi 6553965 gb AC011013.17 AC011013	Mus musculus chromosome 11, clone RP23-218N2, complete sequence	2.00E-11	56/62 (90%)	-	-
MIN-05-82	581	gi 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	536/537 (99%)	-	-
MIN-05-83	561	gi 6755757 ref NM_011563.1	Mus musculus peroxiredoxin 2 (Prdx2), mRNA	0	537/540 (99%)	-	1/540 (0%)
MIN-05-84	314	gi 6753929 ref NM_011816.1	Mus musculus ras-GTPase-activating protein (GAP) SH3-domain-binding protein 2 (G3bp2-pending), mR	1.00E-141	256/256 (100%)	-	-
MIN-05-85	309	gi 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	1.00E-149	291/295 (98%)	-	3/295 (1%)
MIN-05-86	526	gi 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	482/482 (100%)	-	-
MIN-05-87	419	gi 1071659 gb AC008482.5 AC008482	Homo sapiens chromosome 5 clone CTC-402A15, complete sequence	1.00E-52	155/171 (90%)	-	-
MIN-05-88	552	gi 1336719 gb S81027.1 S81027	Msr-110-EN protein binding gene/engrailed nuclear homeoprotein-regulated gene [Drosophila melanogast	2.00E-17	48/48 (100%)	-	-
MIN-05-89	511	gi 200377 gb M19960.1 JMUSPKCD10	Mouse cAMP-dependent protein kinase alpha subunit gene, exon 10	0	439/455 (96%)	-	10/455 (2%)
MIN-05-90	418	gi 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	403/403 (100%)	-	-
MIN-05-91	656	gi 6756038 ref NM_011739.1	Mus musculus tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypept	0	640/642 (99%)	-	2/642 (0%)
MIN-05-92	438	gi 2735950 gb AF015038.1 AF015038	Mus musculus 80kDa m-calpain subunit (calp80) mRNA, complete cds	0	423/424 (99%)	-	1/424 (0%)
MIN-05-93	475	gi 51336 emb X12944.1 MMHMG17	Mouse mRNA for HMG-17 chromosomal protein	0	407/408 (99%)	-	-
MIN-05-94	442	gi 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	398/398 (100%)	-	-
MIN-05-95	488	gi 6679282 ref NM_008822.1	Mus musculus peroxisome biogenesis factor 7 (Pex7), mRNA	0	473/474 (99%)	-	1/474 (0%)
MIN-05-96	610	gi 7331253 gb AF240630.1 AF240630	Mus musculus IQ motif containing GTPase activating protein 1 (lqgap1) mRNA, complete cds	0	591/592 (99%)	-	1/592 (0%)
MIN-06-01	499	gi 9055353 ref NM_018768.1	Mus musculus syntaxin 8 (Stx8), mRNA	0	484/485 (99%)	-	1/485 (0%)
MIN-06-02	499	gi 6680719 ref NM_007479.1	Mus musculus ADP-ribosylation factor 4 (Arf4), mRNA	0	485/486 (100%)	-	-
MIN-06-03	500	gi 6606073 gb AF065398.1 AF065398	Mus musculus 60 kDa ribonucleoprotein SSA/Ro gene, complete cds	0.061	25/26 (96%)	-	-
MIN-06-04	331	gi 6679478 ref NM_008935.1	Mus musculus prominin (Prom), mRNA	1.00E-170	308/310 (99%)	-	-
MIN-06-05	500	gi 7270858 emb AL161594.2 ATCHRIV9C	Arabidopsis thaliana DNA chromosome 4, contig fragment No. 90	0.000	25/25 (100%)	-	-
MIN-06-06	539	gi 6753919 ref NM_010240.1	Mus musculus ferritin light chain 1 (Ft1), mRNA	0	502/507 (99%)	-	1/507 (0%)
MIN-06-07	499	gi 914213 gb S76831.1 S76831	Tmod-tropomodulin [mice, myogenic C2 cells, mRNA, 1572 nt]	0	484/489 (98%)	-	2/489 (0%)
MIN-06-08	499	gi 7305598 ref NM_013697.1	Mus musculus transthyretin (Ttr), mRNA	0	485/485 (100%)	-	-
MIN-06-09	500	gi 5051393 gb AL078630.1 MM573K1	Mus musculus genomic DNA sequence from clone 573K1 on chromosome 17. Contains the gene for gamma	0.004	36/40 (90%)	-	-
MIN-06-10	499	gi 6671568 ref NM_007466.1	Mus musculus apoptosis inhibitory protein 5 (Api5), mRNA	0	474/485 (97%)	-	2/485 (0%)
MIN-06-11	352	gi 6677784 ref NM_009084.1	Mus musculus ribosomal protein L37a (Rpl37a), mRNA	0	336/336 (100%)	-	-
MIN-06-12	495	gi 6678224 ref NM_009321.1	Mus musculus tubulin cofactor a (Tbca), mRNA	0	479/482 (99%)	-	2/482 (0%)
MIN-06-13	304	gi 52714 emb X04724.1 MMINSIIG	Mouse preproinsulin gene II	1.00E-108	213/217 (98%)	-	1/217 (0%)
MIN-06-14	499	-	-	-	-	-	-
MIN-06-15	499	gi 8895707 gb AF225910.1 AF225910	Mus musculus DA2-associated protein 1 (Dazap1) mRNA, complete cds	0	367/370 (99%)	-	2/370 (0%)
MIN-06-16	515	gi 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	496/501 (99%)	-	2/501 (0%)
MIN-06-17	500	gi 6681152 ref NM_007838.1	Mus musculus dolichyl-di-phosphooligosaccharide-protein glycotransferase (Dcost), mRNA	0	486/488 (99%)	-	1/488 (0%)
MIN-06-18	503	gi 6678661 ref NM_008495.1	Mus musculus lectin, galactose binding, soluble 1 (Lgals1), mRNA	0	487/487 (100%)	-	-
MIN-06-19	318	gi 7305434 ref NM_013876.1	Mus musculus ring finger protein 11 (Rnf11), mRNA	4.00E-39	114/124 (91%)	-	1/124 (0%)
MIN-06-20	499	gi 6324971 ref NC_001148.1	Saccharomyces cerevisiae chromosome XVI, complete chromosome sequence	0.24	24/25 (96%)	-	-
MIN-06-21	495	gi 9837555 gb AF290973.1 AF290973	Mus musculus lysosomal thiol reductase IP30 precursor, mRNA, partial cds	1.00E-144	267/269 (99%)	-	-
MIN-06-22	499	gi 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	466/466 (100%)	-	-
MIN-06-23	499	gi 6680050 ref NM_008146.1	Mus musculus golgi autoantigen, golgin subfamily a, 3 (Golga3), mRNA	0	484/485 (99%)	-	-
MIN-06-24	499	gi 9790036 ref NM_019737.1	Mus musculus UDP-Gal-glucosylceramide beta-1,4-galactosyltransferase (LOC56386), mRNA	0	393/393 (100%)	-	-
MIN-06-25	497	gi 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	0	483/483 (100%)	-	-
MIN-06-26	467	gi 507285 gb L21996.1 JMUSGA	Mouse cytoplasmic gamma-actin gene, exons 1-6	0	451/451 (100%)	-	-
MIN-06-27	499	gi 9929692 gb AC020973.3 AC020973	Mus musculus chromosome 18 clone RPCL-23_72C14, complete sequence	1.00E-06	48/54 (88%)	-	-
MIN-06-28	325	gi 6680747 ref NM_007505.1	Mus musculus ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1 (Atp5a1)	1.00E-161	307/311 (98%)	-	2/311 (0%)
MIN-06-29	499	gi 8347231 gb AF204800.1 AF20479655	Mus musculus lanosterol 14-alpha-demethylase (CYP51) gene, exon 5	7.00E-111	63/70 (90%)	-	5/70 (7%)
MIN-06-30	598	gi 2251233 gb U070139.1 JMMU070139	Mus musculus probable nocturnin protein mRNA, partial cds	1.00E-178	328/330 (99%)	-	1/330 (0%)
MIN-06-31	390	gi 2121239 gb U96726.2 JMMU96726	Mus musculus vibrator critical region, phosphatidylinositol transfer protein alpha (Pitpn) and putative phosph	0	371/372 (99%)	-	1/372 (0%)
MIN-06-32	500	gi 8122281 gb AC020969.2 AC020969	Mus musculus chromosome 18 clone RP23-19K11, complete sequence	4.00E-06	44/49 (89%)	-	-
MIN-06-33	498	gi 8574073 emb AJ251835.1 JMMU251835	Mus musculus Kcng1, Ltrpc5, Mash2, Tada-1, Tssc4 and Tssc6 genes, alternative transcripts	0.001	28/29 (96%)	-	-
MIN-06-34	577	gi 268987 gb U17085.1 JMMU17085	Mus musculus insulin-like growth factor II (Igf2) gene, complete cds	1.00E-118	233/238 (97%)	-	1/238 (0%)
MIN-06-35	499	gi 9507186 ref NM_019502.1	Mus musculus fractured callus expressed transcript 1 (Fxc1), mRNA	0	434/434 (100%)	-	-
MIN-06-36	601	gi 7305598 ref NM_013697.1	Mus musculus transthyretin (Ttr), mRNA	0	587/587 (100%)	-	-
MIN-06-37	499	gi 6755239 ref NM_011201.1	Mus musculus protein tyrosine phosphatase, non-receptor type 1 (Ptpn1), mRNA	0	485/486 (99%)	-	1/486 (0%)
MIN-06-38	499	gi 7670546 dbj AB041810.1 AB041810	Mus musculus brain cDNA, clone MNCb-4285	0	480/480 (100%)	-	-
MIN-06-39	500	gi 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	486/486 (100%)	-	-
MIN-06-40	498	gi 220473 dbj D13181.1 JMMUSLAMCJ	Mouse mRNA for lamin A	0	383/392 (97%)	-	-
MIN-06-41	498	gi 6671745 ref NM_007688.1	Mus musculus cofilin 2, muscle (Cf2), mRNA	0	484/484 (100%)	-	-
MIN-06-42	500	gi 9082148 gb AF242431.1 AF242431S1	Mus musculus neuronal apoptosis inhibitory protein 6 (Nalp6) gene, complete cds; and Nalp3 gene, exons 2-	2.00E-08	33/33 (100%)	-	-
MIN-06-43	499	gi 193644 gb M30779.1 JMUSGRP78A	Mouse glucose-regulated protein 78 mRNA, 3' end	0	462/462 (100%)	-	-
MIN-06-44	407	gi 5739518 gb U176675.1 AF176675	Gallus gallus RNA-binding protein HuD (HuD) mRNA, complete cds	8.00E-44	140/153 (91%)	-	3/153 (1%)
MIN-06-45	499	gi 9790060 ref NM_019698.1	Mus musculus pyroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase) (Pycs), m	0	485/487 (99%)	-	-
MIN-06-46	597	gi 7305598 ref NM_013697.1	Mus musculus transthyretin (Ttr), mRNA	0	583/583 (100%)	-	-
MIN-06-47	499	gi 2558832 gb AF013119.1 AF013119	Mus musculus kinesin motor protein KIF22 mRNA, partial cds	0	347/347 (100%)	-	-
MIN-06-48	499	gi 6679268 ref NM_008814.1	Mus musculus pancreatic and duodenal homeobox gene 1 (Pdx1), mRNA	0	479/486 (98%)	-	4/486 (0%)
MIN-06-49	224	gi 10716073 dbj AB045293.1 AB045293	Mus musculus mRNA for M83 protein, complete cds	1.00E-104	206/210 (98%)	-	1/210 (0%)
MIN-06-50	486	gi 10120343 gb AC021642.13 AC021642	Mus musculus chromosome 10 clone RP23-11905 strain C57BL/6J, complete sequence	0.004	34/36 (94%)	-	1/36 (2%)
MIN-06-51	443	gi 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	0	333/333 (100%)	-	-
MIN-06-52	328	gi 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	1.00E-172	312/314 (99%)	-	-
MIN-06-53	336	gi 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	322/322 (100%)	-	-
MIN-06-54	348	gi 7670507 dbj AB041655.1 AB041655	Mus musculus brain cDNA, clone MNCb-2442, similar to Rattus norvegicus SERP1 mRNA	0	334/334 (100%)	-	-
MIN-06-55	306	gi 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	1.00E-156	289/292 (98%)	-	-
MIN-06-56	519	gi 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	503/504 (99%)	-	-
MIN-06-57	440	gi 7305446 ref NM_013765.1	Mus musculus ribosomal protein S26 (Rps26), mRNA	0	417/419 (99%)	-	1/419 (0%)

MIN-06-60	430	g 8164185 gb AF251796.1 AF251796	Mus musculus erythroid transcription factor FKL-2 mRNA, complete cds	1.00E-104	200/202 (99%)	-
MIN-06-61	477	g 508234 gb U09399.1 MMU09399	Mus musculus domesticus glycine receptor beta subunit precursor (grib) mRNA, complete cds	0	450/463 (97%)	10/463 (2%)
MIN-06-62	484	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	471/471 (100%)	-
MIN-06-63	461	g 6753913 ref NM_010240.1	Mus musculus ferritin light chain 1 (Ftl1), mRNA	0	448/450 (99%)	1/450 (0%)
MIN-06-64	468	g 6678428 ref NM_009424.1	Mus musculus Tnf receptor-associated factor 6 (Traf6), mRNA	0	453/454 (99%)	1/454 (0%)
MIN-06-65	494	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	480/481 (99%)	-
MIN-06-66	520	g 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	505/510 (99%)	2/510 (0%)
MIN-06-67	502	g 192364 gb M27844.1 JMUSCAM	Mus musculus calmodulin synthesis (CaM) cDNA, complete cds	0	443/445 (99%)	1/445 (0%)
MIN-06-68	470	g 193644 gb M30779.1 JMUSGRP78A	Mouse glucose-regulated protein 78 mRNA, 3' end	0	447/447 (100%)	Positive
MIN-06-69	516	g 2104680 emb X97907.1 VFPTF1	V.faba mRNA for putative transcription factor (1556bp)	3.00E-004	26/26 (100%)	-
MIN-06-70	463	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	449/449 (100%)	-
MIN-06-71	513	g 1000295 gb U34206.1 CGU34206	Cricetulus griseus 170 kDa glucose regulated protein (grp170) mRNA, complete cds	6.00E-36	157/180 (87%)	6/180 (3%)
MIN-06-72	382	g 7710089 ref NM_016698.1	Mus musculus ring finger protein 10 (Rnf10), mRNA	1.00E-119	218/218 (100%)	-
MIN-06-73	394	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	375/381 (98%)	2/381 (0%)
MIN-06-74	419	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	404/405 (99%)	-
MIN-06-75	499	g 7949000 ref NM_016802.1	Mus musculus aplysia ras-related homolog A2 (Arha2), mRNA	0	406/411 (98%)	3/411 (0%)
MIN-06-76	502	g 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	487/488 (99%)	1/488 (0%)
MIN-06-77	256	g 6753243 ref NM_009790.1	Mus musculus calmodulin (Calm), mRNA	1.00E-118	237/241 (98%)	2/241 (0%)
MIN-06-78	433	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	418/419 (99%)	-
MIN-06-79	243	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	1.00E-119	226/229 (98%)	-
MIN-06-80	487	g 309510 gb L20258.1 MUSSTATH04	Mouse stathmin gene sequence	0	455/459 (99%)	1/459 (0%)
MIN-06-81	468	g 6679438 ref NM_008907.1	Mus musculus peptidylprolyl isomerase A (Ppia), mRNA	0	454/454 (100%)	-
MIN-06-82	484	g 5804944 emb X54327.1 MMGLUTRNA	M.musculus mRNA for glutamyl-tRNA synthetase	0	466/470 (99%)	1/470 (0%)
MIN-06-83	524	g 6678124 ref NM_009269.1	Mus musculus serine palmitoyltransferase, long chain base subunit 1 (Sptc1), mRNA	0	419/423 (99%)	-
MIN-06-84	547	g 6224681 gb AF144093.1 AF144093	Mus musculus unconventional myosin-15 gene, complete sequence	9.00E-29	101/111 (90%)	1/111 (0%)
MIN-06-85	503	g 6671745 ref NM_007688.1	Mus musculus cofilin 2, muscle (Cf2), mRNA	0	489/489 (100%)	-
MIN-06-86	514	g 555872 gb U14720.1 MMCABL2	Mus musculus c-abl oncogene (c-abl) gene, type I, exon 1A and type III, exon 1	0.004	24/24 (100%)	-
MIN-06-87	464	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	1.00E-147	272/273 (99%)	1/273 (0%)
MIN-06-88	431	g 294441 gb AF049850.1 MMHC438N1	Mus musculus major histocompatibility locus class III region: complement C4 (C4) and cytochrome P450 hcy	0	384/399 (96%)	1/399 (0%)
MIN-06-89	435	g 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	418/422 (99%)	1/422 (0%)
MIN-06-90	483	g 9910127 ref NM_019993.1	Mus musculus aldehyde dehydrogenase 9A (Aldh9a1), mRNA	0	469/469 (100%)	-
MIN-06-91	520	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	506/506 (100%)	-
MIN-06-92	450	g 3811374 gb AF100956.1 AF100956	Mus musculus major histocompatibility locus class II region: Fas-binding protein Daxx (DAXX) gene, partial	0	436/436 (100%)	-
MIN-06-93	482	g 7293974 gb AF234625.1 AF234625	Mus musculus pre-B-cell colony-enhancing factor mRNA, complete cds	0	373/373 (100%)	-
MIN-06-94	484	g 5725311 emb AJ010109.1 MMU010109	Mus musculus mRNA for membrane-associated adenylate kinase	0	471/471 (100%)	-
MIN-06-95	396	g 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	0	378/383 (98%)	3/383 (0%)
MIN-06-96	377	g 10041120 emb AX014853.1 AX014853	Sequence 43 from Patent WO9953040	0	362/364 (99%)	1/364 (0%)
MIN-07-01	498	g 6900919 emb AJ251880.1 MMU251880	Mus musculus partial INPP5P and MTF-1 genes for inositol polyphosphate 5-phosphatase and heavy metal	4.00E-06	35/37 (94%)	-
MIN-07-02	460	g 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	0	442/446 (99%)	-
MIN-07-03	499	g 6679438 ref NM_008907.1	Mus musculus peptidylprolyl isomerase A (Ppia), mRNA	0	485/485 (100%)	-
MIN-07-04	499	g 3286864 dbj AB004316.1 AB004316	Bos taurus mRNA for mitochondrial methionyl-tRNA transformylase, partial cds	0.25	21/21 (100%)	-
MIN-07-05	499	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	485/485 (100%)	-
MIN-07-06	499	g 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	0	485/485 (100%)	-
MIN-07-07	499	g 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	485/485 (100%)	-
MIN-07-08	500	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	486/486 (100%)	-
MIN-07-09	498	g 7657517 ref NM_015751.1	Mus musculus ATP-binding cassette, sub-family E (OABP), member 1 (Abce1), mRNA	0	484/485 (99%)	1/485 (0%)
MIN-07-10	499	g 6679602 ref NM_009009.1	Mus musculus RAD21 homolog (S. pombe) (Rad21), mRNA	0	484/485 (99%)	-
MIN-07-11	497	g 6739574 gb AF172088.1 AF172088	Mus musculus TBX2 protein mRNA, partial cds	0	484/485 (99%)	1/485 (0%)
MIN-07-12	326	g 192439 gb M11739.1 MUSCCKRA	Mouse cholecystokinin (CCK) mRNA, 3' end	1.00E-104	218/225 (96%)	3/225 (1%)
MIN-07-13	499	g 7949048 ref NM_016786.1	Mus musculus huntingtin interacting protein 2 (Hip2), mRNA	0	485/485 (100%)	-
MIN-07-14	499	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	1.00E-168	300/300 (100%)	-
MIN-07-15	499	g 8122281 gb AC020969.2 AC020969	Mus musculus chromosome 18 clone RP23-19K11, complete sequence	0.062	22/22 (100%)	-
MIN-07-16	500	g 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	486/486 (100%)	-
MIN-07-17	499	g 7106386 ref NM_011967.1	Mus musculus proteasome (prosome, macropain) subunit, alpha type 5 (Psm5a), mRNA	0	484/485 (99%)	1/485 (0%)
MIN-07-18	495	g 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	481/481 (100%)	-
MIN-07-19	499	g 10727941 gb AE003537.2 AE003537	Drosophila melanogaster genomic scaffold 142000013386050 section 31 of 54, complete sequence	0.25	21/21 (100%)	-
MIN-07-20	498	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	485/485 (100%)	-
MIN-07-21	499	g 10946839 ref NM_021455.1	Mus musculus putative hepatic transcription factor (Wbscr14), mRNA	0	444/447 (99%)	1/447 (0%)
MIN-07-22	499	g 6862977 gb AC009287.1 AC009287	Mus musculus chromosome 10 clone rp21-66b24 strain 129S6/SvEvTac, complete sequence	0.25	21/21 (100%)	-
MIN-07-23	596	g 730559 ref NM_013697.1	Mus musculus transthyretin (Ttr), mRNA	0	580/582 (99%)	-
MIN-07-24	499	g 7305542 ref NM_013736.1	Mus musculus transcription elongation factor B (SIII), polypeptide 3 (110kD) (Tceb3), mRNA	0	475/478 (99%)	-
MIN-07-25	682	g 8394238 ref NM_016926.1	Mus musculus squamous cell carcinoma antigen recognized by T-cells 3 (Sart3), mRNA	0	379/380 (99%)	1/380 (0%)
MIN-07-26	499	g 902578 gb U24173.1 MMU24173	Mus musculus p21 (WAF1) mRNA, complete cds	0	485/485 (100%)	-
MIN-07-27	499	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	485/485 (100%)	-
MIN-07-28	625	g 6753597 ref NM_010015.1	Mus musculus defender against cell death 1 (Dad1), mRNA	0	604/611 (98%)	2/611 (0%)
MIN-07-29	499	g 6679462 ref NM_008923.1	Mus musculus protein kinase, cAMP dependent regulatory, type I beta (Prkar1b), mRNA	0	485/485 (100%)	-
MIN-07-30	499	g 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, com	0	485/485 (100%)	-
MIN-07-31	499	g 10049478 ref NM_011995.1	Mus musculus aczonin (Accz), mRNA	0	431/433 (99%)	2/433 (0%)
MIN-07-32	527	g 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	0	505/513 (98%)	-
MIN-07-33	500	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	486/486 (100%)	-
MIN-07-34	499	g 10954396 gb AC021756.16 AC021756	Mus musculus chromosome 10 clone unknown strain unknown, complete sequence	7.00E-42	165/189 (87%)	1/189 (0%)
MIN-07-35	499	g 6680773 ref NM_007537.1	Mus musculus Bcl2-like 2 (Bcl2l2), mRNA	0	485/485 (100%)	-
MIN-07-36	558	g 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	0	540/542 (99%)	1/542 (0%)
MIN-07-37	500	g 6671496 ref NM_007435.1	Mus musculus ATP-binding cassette, sub-family D (ALD), member 1 (Abcd1), mRNA	0	485/485 (99%)	1/485 (0%)
MIN-07-38	645	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	631/631 (100%)	-
MIN-07-39	503	g 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	0	332/333 (99%)	-
MIN-07-40	499	g 6678767 ref NM_008538.1	Mus musculus myristoylated alanine rich protein kinase C substrate (Mac3), mRNA	0	483/488 (98%)	3/488 (0%)
MIN-07-41	467	g 3811374 gb AF100956.1 AF100956	Mus musculus major histocompatibility locus class II region: Fas-binding protein Daxx (DAXX) gene, partial	0	451/451 (100%)	-
MIN-07-42	441	g 6680462 ref NM_008387.1	Mus musculus insulin II (Ins2), mRNA	0	333/333 (100%)	-
MIN-07-43	499	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	485/485 (100%)	-
MIN-07-44	499	g 1518873 gb U31241.1 CGU31241	Cricetulus griseus integral membrane protein CII-3 mRNA, nuclear gene encoding mitochondrial protein, co	1.00E-149	422/473 (89%)	-
MIN-07-45	499	g 8393279 ref NM_016843.1	Mus musculus spinocerebellar ataxia 10 homolog (human) (Scal10), mRNA	0	394/396 (99%)	2/396 (0%)
MIN-07-46	499	g 4454569 gb AC006508.2 AC006508	Mus musculus Yp BAC GSMB-187H15 (Genome Systems Mouse BAC Library) complete sequence	3.00E-50	112/115 (97%)	-
MIN-07-47	499	g 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	0	487/488 (99%)	1/488 (0%)
MIN-07-48	499	g 6755143 ref NM_011150.1	Mus musculus peptidylprolyl isomerase C-associated protein (Ppicap), mRNA	0	485/485 (100%)	-
MIN-07-49	475	g 6671508 ref NM_007393.1	Mus musculus melanoma X-actin (Actx), mRNA	0	460/460 (100%)	-
MIN-07-50	499	g 7595801 gb AF240783.1 AF240783	Mus musculus ELKL motif kinase 2 short form (EMK2) mRNA, complete cds	0	483/484 (99%)	-
MIN-07-51	499	g 6755697 ref NM_011512.1	Mus musculus surfactin gene 4 (Surf4), mRNA	0	484/485 (99%)	1/485 (0%)
MIN-07-52	499	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	393/393 (100%)	-
MIN-07-53	499	g 8394238 ref NM_016926.1	Mus musculus squamous cell carcinoma antigen recognized by T-cells 3 (Sart3), mRNA	1.00E-106	197/197 (100%)	-
MIN-07-54	473	g 19442 emb X13886.1 LHDEL	Lilium henryi del transposon	0.23	21/21 (100%)	-
MIN-07-55	500	g 7292093 gb AE003472.1 AE003472	Drosophila melanogaster genomic scaffold 142000013386045 section 6 of 17, complete sequence	0.98	23/24 (95%)	-
MIN-07-56	499	g 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	0	485/485 (100%)	-
MIN-07-57	493	g 833809 gb U21392.1 MMU21392	Mus musculus putative serine/threonine kinase (Fni) mRNA, partial cds	0	479/480 (99%)	-
MIN-07-58	486	g 2262188 gb U56098.1 JA056098	Aspergillus oryzae putative DNA binding protein FacB (facB) gene, complete cds	0.061	22/22 (100%)	-
MIN-07-59	499	g 11181790 gb AC068906.12 AC068906	Mus musculus chromosome 1 clone rp23-240p23 strain C57BL/6J, complete sequence	0.004	36/40 (90%)	-
MIN-07-60	407	g 1934962 emb Y12229.1 MMY12229	M.musculus mRNA for utrophin	0	380/394 (96%)	9/394 (2%)
MIN-07-61	462	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	430/448 (95%)	2/448 (0%)
MIN-07-62	147	g 9717244 gb AY004877.1	Mus musculus cytoplasmic dynein heavy chain mRNA, complete cds	2.00E-73	144/145 (99%)	-
MIN-07-63	86	g 10178989 emb AJ250693.1 MMU250693	Mus musculus partial mRNA for sr528 protein	3.00E-33	73/73 (100%)	-
MIN-07-64	197	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	2.00E-95	181/182 (99%)	-

MIN-07-65	141	g 6755471 ref NM_011354.1	Mus musculus small EDRK-rich factor 2 (Serf2), mRNA	3.00E-65	127/127 (100%)	-
MIN-07-66	369	g 8546861 emb AJ278429.1 MMU278429	Mus musculus partial Prkar1a gene for cAMP-dependent protein kinase regulatory subunit R1alpha, exon 8	0	367/369 (99%)	1/369 (0%)
MIN-07-67	491	g 9965367 gb AF290472.1 AF290472	Mus musculus NucleL mRNA, complete cds	0	479/479 (100%)	-
MIN-07-68	152	g 3150275 gb L07096.1 JMUSMTHYPB	Mus domesticus strain MIP mitochondrion genome, complete sequence	1.00E-46	120/126 (95%)	2/126 (1%)
MIN-07-69	406	g 6705986 dbj AB033615.1 AB033615	Mus musculus PLC-L2 mRNA for phospholipase C-L2, complete cds	0	387/392 (98%)	-
MIN-07-70	488	g 8392846 ref NM_016860.1	Mus musculus actin-related protein 1 homolog A (yeast) (Actr1a), mRNA	0	474/474 (100%)	-
MIN-07-71	364	g 6756038 ref NM_011739.1	Mus musculus tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, theta polypeptide	0	335/336 (99%)	-
MIN-07-72	303	g 6754007 ref NM_010303.1	Mus musculus guanine nucleotide binding protein, alpha 13 (Gna13), mRNA	1.00E-145	283/281 (97%)	-
MIN-07-73	509	g 4588501 gb AF108835.1 AF108835	Lama glama von Willebrand factor (vWF) gene, exon 28 and partial cds	0.001	25/25 (100%)	-
MIN-07-74	499	g 9789944 ref NM_019702.1	Mus musculus eukaryotic release factor 3 (eRFs), mRNA	2.00E-57	118/119 (99%)	-
MIN-07-75	418	g 1014061.1 gb AC078839.4 AC078839	Genomic Sequence For Oryza sativa, Nipponbare STRAIN, Chromosome X, Clone OSJNBa0094J09, complete cds	0.049	22/22 (100%)	-
MIN-07-76	503	g 391760 dbj D16847.1 JMUSSCP1	Mouse mRNA for stromal cell derived protein-1, complete cds	0	489/489 (100%)	-
MIN-07-77	523	g 6754271 ref NM_010491.1	Mus musculus islet amyloid polypeptide (Iapp), mRNA	0	505/510 (99%)	-
MIN-07-78	250	g 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, complete cds	1.00E-126	234/236 (99%)	-
MIN-07-79	290	g 6677794 ref NM_009089.1	Mus musculus RNA polymerase II 1 (Rpo2-1), mRNA	1.00E-151	275/276 (99%)	-
MIN-07-80	440	g 6679216 ref NM_008786.1	Mus musculus protein-L-isopartate (D-aspartate) O-methyltransferase 1 (Pcm1), mRNA	1.00E-76	153/155 (98%)	-
MIN-07-81	510	g 8394026 ref NM_016891.1	Mus musculus serine/threonine protein phosphatase A subunit type 2A (Ppp2r1a), mRNA	0	495/497 (99%)	-
MIN-07-82	247	g 7242170 ref NM_011045.1	Mus musculus proliferating cell nuclear antigen (Pcna), mRNA	1.00E-123	232/233 (99%)	1/233 (0%)
MIN-07-83	478	g 3929692 gb AC020973.3 AC020973	Mus musculus chromosome 18 clone RPCI-23_72C14, complete sequence	0.88	20/20 (100%)	-
MIN-07-84	285	g 6680106 ref NM_008175.1	Mus musculus granulin (Grn), mRNA	1.00E-149	271/272 (99%)	-
MIN-07-85	343	g 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	0	329/329 (100%)	-
MIN-07-86	466	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	1.00E-176	327/332 (98%)	-
MIN-07-87	451	g 6679105 ref NM_008721.1	Mus musculus neural proliferation, differentiation and control gene 1 (Npdc1), mRNA	1.00E-172	308/308 (100%)	-
MIN-07-88	372	g 7297715 gb AE003629.1 AE003629	Drosophila melanogaster genomic scaffold 142000013386055 section 22 of 63, complete sequence	0.043	22/22 (100%)	-
MIN-07-89	293	g 6680501 ref NM_008410.1	Mus musculus integral membrane protein 4 (Ibm2b), mRNA	1.00E-156	280/280 (100%)	-
MIN-07-90	348	g 249860 gb S38100.1 S38100	vascular endothelial growth factor-2-angiogenic mitogen (alternatively spliced) [mice, embryo, mRNA, 457	1.00E-160	323/334 (96%)	1/334 (0%)
MIN-07-91	131	g 1899231 gb U03033.1 JMUSQ0333	Mus musculus aquarius mRNA, partial cds	3.00E-53	116/118 (98%)	1/118 (0%)
MIN-07-92	134	g 6679105 ref NM_008721.1	Mus musculus neural proliferation, differentiation and control gene 1 (Npdc1), mRNA	2.00E-48	99/99 (100%)	-
MIN-07-93	475	g 430732 gb L26349.1 JMUSMTCG	Mus musculus Tumor Necrosis Factor Receptor 55 KD (TNF 55) mRNA, complete cds	0	461/461 (100%)	-
MIN-07-94	172	g 6680747 ref NM_007505.1	Mus musculus ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1 (Atp5a1)	2.00E-82	158/157 (99%)	-
MIN-08-01	531	g 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, complete cds	0	512/519 (99%)	-
MIN-08-02	490	g 6753243 ref NM_009790.1	Mus musculus calmodulin (Calm), mRNA	0	469/476 (98%)	6/476 (1%)
MIN-08-03	479	g 9790202 ref NM_019642.1	Mus musculus ribophorin (Rpn), mRNA	1.00E-113	209/209 (100%)	-
MIN-08-04	504	g 192158 gb M63159.1 JMUSBFCGR1	Mouse IgG receptor (beta-Fc-gamma-RII) gene, exons 1-5, clones lambda-Fc(3.2.93)	7.00E-11	58/64 (90%)	2/64 (3%)
MIN-08-05	502	g 1518873 gb U1241.1 JCGS1241	Cricetus griseus integral membrane protein CII-3 mRNA, nuclear gene encoding mitochondrial protein, complete cds	1.00E-73	202/222 (90%)	-
MIN-08-06	567	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	553/553 (100%)	-
MIN-08-07	480	g 1203838 gb U47430.1 MMU47430	Mus musculus domesticus mitochondrial DNA type 1 control region and flanking tRNA genes	0	466/466 (100%)	-
MIN-08-08	513	g 7673607 gb AF229634.1 AF229634	Mus musculus solute carrier family 35 member 2 (Slc35a2) mRNA, complete cds	0	500/500 (100%)	-
MIN-08-09	510	g 6753619 ref NM_010028.1	Mus musculus DEAD (aspartate-glutamate-alanine-aspartate) box polypeptide 3 (Ddx3), mRNA	0	496/498 (99%)	1/498 (0%)
MIN-08-10	473	g 191589 gb M55333.1 JMUSACEC	Mouse testis-specific angiotensin-converting enzyme mRNA, complete cds	0	459/459 (100%)	-
MIN-08-11	514	g 9800524 gb AF289667.1 AF289667	Mus musculus GTF2IRD1 and CYLN2 genes, complete cds	0.95	20/20 (100%)	-
MIN-08-12	496	g 6671568 ref NM_007475.1	Mus musculus acidic ribosomal phosphoprotein P0 (Arbp), mRNA	0	482/482 (100%)	-
MIN-08-13	212	g 3719448 gb AF093677.1 AF093677	Mus musculus ATPase subunit 6 (Atpase6) mRNA, mitochondrial gene encoding mitochondrial protein, complete cds	1.00E-108	199/199 (100%)	-
MIN-08-14	494	g 6679544 ref NM_008974.1	Mus musculus protein tyrosine phosphatase 4a2 (Ptp4a2), mRNA	0	476/478 (99%)	2/478 (0%)
MIN-08-15	475	g 6755331 ref NM_011274.1	Mus musculus RPB5-mediating protein (Rmp-pending), mRNA	0	459/461 (99%)	-
MIN-08-16	231	g 5804944 emb X54327.1 MMGLUTRNA	M.musculus mRNA for glutamyl-tRNA synthetase	1.00E-116	216/217 (99%)	-
MIN-08-17	489	g 2826297 gb U67505.1 U67505	Methanococcus jannaschii section 47 of 150 of the complete genome	0.015	23/23 (100%)	-
MIN-08-18	66	g 7458798 gb U36927.3 PYU36927	Plasmodium yoelii rhoptry protein gene, complete cds	0.091	20/20 (100%)	-
MIN-08-19	494	g 4927207 gb AF139913.1 AF139913	Mus musculus ARL-6 interacting protein-6 (Aip-6) mRNA, partial cds	1.00E-172	335/344 (97%)	-
MIN-08-20	427	g 6680747 ref NM_007505.1	Mus musculus ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1 (Atp5a1)	0	424/425 (99%)	-
MIN-08-21	510	g 6680923 ref NM_007687.1	Mus musculus cofilin 1, non-muscle (Cfl1), mRNA	0	496/496 (100%)	-
MIN-08-22	508	g 6677778 ref NM_009081.1	Mus musculus ribosomal protein L28 (Rpl28), mRNA	1.00E-116	216/217 (99%)	-
MIN-08-23	530	g 217202 dbj D01021.1 JANDDBHC	Anthracidaris crassispina mRNA for dynein beta-heavy chain, complete cds	0.063	22/22 (100%)	-
MIN-08-24	498	g 6753911 ref NM_010239.1	Mus musculus ferritin heavy chain (Fth), mRNA	0	485/485 (100%)	-
MIN-08-25	502	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	1.00E-147	266/266 (100%)	-
MIN-08-26	500	g 7305434 ref NM_013876.1	Mus musculus ring finger protein 11 (Rnf11), mRNA	0	484/488 (99%)	2/488 (0%)
MIN-08-27	494	g 6624497 gb AF288525.1 AF288525	Mus musculus myo-inositol 1-phosphate synthase A1 (IsmA1) mRNA, complete cds	0	385/385 (100%)	-
MIN-08-28	174	g 6553965 gb AC011013.17 AC011013	Mus musculus chromosome 11, clone RP23-218N2, complete sequence	2.00E-79	154/155 (99%)	-
MIN-08-29	504	g 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	0	490/490 (100%)	-
MIN-08-30	333	g 4868332 gb AF129888.1 AF129888	Mus musculus Su1 homolog mRNA, complete cds	1.00E-173	319/322 (99%)	3/322 (0%)
MIN-08-31	502	g 3150274 gb L07095.1 JMUSMTHYPA	Mus domesticus strain NZB/B1NJ mitochondrion genome, complete sequence	0	489/489 (100%)	-
MIN-08-32	477	g 10041120 emb AX014853.1 AX014853	Sequence 43 from Patent WO9953040	0	471/471 (100%)	-
MIN-08-33	399	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	385/385 (100%)	-
MIN-08-34	462	g 6755073 ref NM_011099.1	Mus musculus pyruvate kinase 3 (Pfk3), mRNA	0	441/448 (98%)	1/448 (0%)
MIN-08-35	255	g 54187 emb X03943.1 JMMSQR3	Mouse simple repetitive DNA (sar family) transcript (clone pmic 3) with conserved GACA/GATA repeats	3.00E-05	27/27 (100%)	-
MIN-08-36	519	g 6755609 ref NM_011445.1	Mus musculus SRY-box containing gene 6 (Sox6), mRNA	0.24	21/21 (100%)	-
MIN-08-37	395	g 6899327 gb AE002132.1 AE002132	Ureaplasma urealyticum section 33 of 59 of the complete genome	0.046	22/22 (100%)	-
MIN-08-38	518	g 6683078 dbj AP001111.1 AP001111	Oryza sativa genomic DNA, chromosome 5, clone:P0699E04	0.24	21/21 (100%)	-
MIN-08-39	437	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	422/423 (99%)	-
MIN-08-40	481	g 6679406 ref NM_008891.1	Mus musculus pinin (Pnn), mRNA	1.00E-177	316/316 (100%)	-
MIN-08-41	430	g 7305446 ref NM_013765.1	Mus musculus ribosomal protein S26 (Rps26), mRNA	0	391/392 (99%)	-
MIN-08-42	69	g 52714 emb X04724.1 JMINSIIG	Mouse preproinsulin gene II	3.00E-20	51/51 (100%)	-
MIN-08-43	527	g 200023 gb M13016.1 JMUSNFIL	Mouse 68 kd neurofilament protein gene, complete cds	0	501/514 (97%)	1/514 (0%)
MIN-08-44	446	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	429/432 (99%)	2/432 (0%)
MIN-08-45	497	g 86112 gb J27129.1 MMUJ27129	Mus musculus breast heat shock 73 protein (hsc73) mRNA, complete cds	0	449/454 (98%)	4/454 (0%)
MIN-08-46	308	g 4868332 gb AF129888.1 AF129888	Mus musculus Su1 homolog mRNA, complete cds	1.00E-143	260/261 (99%)	-
MIN-08-47	437	g 10336604 dbj AB049357.1 AB049357	Mus musculus mitochondrial DNA, complete genome, strain:C3H/He	0	423/423 (100%)	-
MIN-08-48	501	g 6756026 ref NM_011917.1	Mus musculus 5'-3' exoribonuclease 2 (Xrn2), mRNA	0	485/485 (100%)	-
MIN-08-49	202	g 6677778 ref NM_009081.1	Mus musculus ribosomal protein L28 (Rpl28), mRNA	5.00E-99	187/188 (99%)	-
MIN-08-50	444	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	0	430/430 (100%)	-
MIN-08-51	480	g 6679936 ref NM_008084.1	Mus musculus glyceraldehyde-3-phosphate dehydrogenase (Gapd), mRNA	0	465/466 (99%)	-
MIN-08-52	498	g 6679438 ref NM_008907.1	Mus musculus peptidylprolyl isomerase A (Ppia), mRNA	0	489/489 (100%)	-
MIN-08-53	476	g 6754983 ref NM_011864.1	Mus musculus 3'-phosphoadenosine 5'-phosphosulfate synthase 2 (Paps2), mRNA	0	462/462 (100%)	-
MIN-08-54	160	g 342520 gb J01420.1 JMUSMTCG	Mouse mitochondrion, complete genome	1.00E-74	145/146 (99%)	-
MIN-08-55	497	g 6997238 ref NM_011042.1	Mus musculus poly(rC) binding protein 2 (Pcbp2), mRNA	0	482/483 (99%)	1/483 (0%)
MIN-08-56	409	g 52712 emb X04725.1 JMINSIIG	Mouse preproinsulin gene I	0	398/399 (99%)	1/399 (0%)
MIN-08-57	485	g 2897730 dbj AB011001.1 AB011001	Mus musculus mRNA for choline/ethanolamine kinase, complete cds	0	471/471 (100%)	-
MIN-08-58	500	g 6678917 ref NM_008618.1	Mus musculus malate dehydrogenase, soluble (Mor2), mRNA	0	494/494 (100%)	-
MIN-08-59	504	g 8567401 ref NM_013663.1	Mus musculus splicing factor, arginine/serine-rich 3 (Sfrp20) (Sfrs3), mRNA	0	475/475 (100%)	-
MIN-08-60	499	g 6678264 ref NM_009342.1	Mus musculus t-complex testis expressed 1 (Tctex1), mRNA	0	471/473 (99%)	-
MIN-08-61	511	g 6679582 ref NM_008997.1	Mus musculus RAB11B, member RAS oncogene family (Rab11b), mRNA	0	494/497 (99%)	1/497 (0%)
MIN-08-62	280	g 6679686 ref NM_007952.1	Mus musculus endoplasmic reticulum protein (Erp), mRNA	1.00E-139	275/280 (98%)	2/280 (0%)
MIN-08-63	501	g 6678697 ref NM_008503.1	Mus musculus repeat family 3 gene (Lrep3), mRNA	0	491/501 (98%)	-
MIN-08-64	470	g 508525 gb L31642.1 JMUSCAMC	Mus musculus calmodulin (CamC) mRNA, 5' end	0	441/446 (98%)	2/446 (0%)
MIN-08-65	463	g 6680981 ref NM_007744.1	Mus musculus catechol-O-methyltransferase (Comt), mRNA	0	449/451 (99%)	-
MIN-08-66	503	g 6677790 ref NM_009087.1	Mus musculus RNA polymerase 1-3 (16 kDa subunit) (Rpo1-3), mRNA	1.00E-52	107/107 (100%)	-
MIN-08-67	502	g 8393134 ref NM_016904.1	Mus musculus CDC28 protein kinase 1 (Cks1), mRNA	0	489/489 (100%)	-
MIN-08-68	502	g 71036324 ref NM_008633.1	Mus musculus microtubule-associated protein 4 (Mtap4), mRNA	0	487/489 (99%)	1/489 (0%)
MIN-08-69	499	g 6756038 ref NM_011739.1	Mus musculus tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, theta polypeptide	0	469/469 (100%)	-
MIN-08-70	356	g 2121239 gb U96726.1 JMUS96726	Mus musculus vibrator critical region, phosphatidylinositol transfer protein alpha (Pitpn) and putative phospholipase	0	342/342 (100%)	-
MIN-08-71	500	g 4104331 gb AF034692.1 AF034692	Mus musculus alpha-1-microglobulin/bikunin precursor (AMPB) gene, complete cds, and LLRep3 pseudogenes	4.00E-06	47/53 (88%)	-