

#Refseq Gene	Cluster	start	end	Cluster score
NM_001143984	PTPMT1	680	761	5.68873887674
NM_001143984	PTPMT1	240	333	5.68873887674
NM_001143984	PTPMT1	772	880	6.10377637602
NM_001143984	PTPMT1	418	556	6.10377637602
NM_175852	TXLNA	3245	3291	5.67913473066
NM_175852	TXLNA	2188	2222	5.76310018972
NM_175852	TXLNA	2530	2583	7.08520203493
NM_175852	TXLNA	3342	3376	7.08520203493
NM_175852	TXLNA	2678	2727	4.75925633987
NM_175852	TXLNA	4342	4431	7.08520203493
NM_175852	TXLNA	2260	2331	5.76310018972
NM_175852	TXLNA	4008	4057	5.76326720899
NM_175852	TXLNA	4257	4315	6.34421884059
NM_175852	TXLNA	961	1019	4.75925633987
NM_175852	TXLNA	3562	3613	6.76326720899
NM_175852	TXLNA	2019	2105	7.08520203493
NM_175852	TXLNA	3161	3239	5.76327393249
NM_175852	TXLNA	1904	2018	6.76327394004
NM_016647	C8orf55	827	887	12.0686928727
NM_016647	C8orf55	142	225	12.8760478023
NM_016647	C8orf55	532	581	9.98455367089
NM_016647	C8orf55	1538	1637	10.0686861492
NM_016647	C8orf55	276	385	11.0686928803
NM_016647	C8orf55	1705	1795	11.0686928803
NM_016640	MRPS30	1156	1195	8.6583023051
NM_016640	MRPS30	242	294	7.65846932436
NM_016640	MRPS30	422	544	6.65847605542
NM_016640	MRPS30	671	782	7.65847605542
NM_016640	MRPS30	1336	1453	7.65847605542
NM_016640	MRPS30	934	1130	9.65847605542
NM_016641	GDE1	1275	1322	4.94021376338
NM_016641	GDE1	1333	1384	5.35525126999
NM_016641	GDE1	1832	1906	4.35507751989
NM_016641	GDE1	1116	1199	5.35525127021
NM_016641	GDE1	683	876	7.87881322627
NM_016641	GDE1	1551	1604	4.27111206083
NM_016641	GDE1	2601	2672	3.35507751989
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NM_016641	GDE1	390	602	7.05569098835
NM_016641	GDE1	880	1098	6.52517627165
NM_001016	RPS12	384	461	1.38007465962
NM_001016	RPS12	60	210	2.44420499704
NM_001016	RPS12	17	50	-1.1634961684
NM_001016	RPS12	212	271	0.505605541703
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NM_001080825	TMEM120B		2428	2457 6.73581470945
NM_001080825	TMEM120B		2635	2696 6.73598845222
NM_001080826	SGK223	4466	4550	6.79490125737
NM_018477	ACTR10	885	938	7.75739305749

NM_018477	ACTR10	154	231	7.17260430708
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NM_018477	ACTR10	468	546	7.75756657189
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NM_205858	NMB	655	700	10.6326374283
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NM_016649	ESF1	643	710	4.38536251831
NM_016649	ESF1	2485	2528	2.80040001758
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NM_016649	ESF1	2197	2340	4.38536924936
NM_207118	GTF2H5	21	80	6.45245995487
NM_001469	XRCC6	979	1044	4.90276755855
NM_001469	XRCC6	213	302	3.02829844063
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NM_004107	FCGRT	1478	1522	5.28688685208
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NM_004107	FCGRT	1116	1204	6.60898869728
NM_004107	FCGRT	971	1032	4.28705387134
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NM_004107	FCGRT	554	611	5.28688685208
NM_004107	FCGRT	1272	1323	5.28688685208
NM_004107	FCGRT	447	536	5.2870606024
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NM_004104	FASN	8044	8093	3.68945080135
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NM_004104	FASN	7569	7626	4.77359001074
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NM_004104	FASN	773	865	6.35855251146
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NM_004104	FASN	7819	8043	8.29715196679
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NM_007100	ATP5I	221	285	2.55057341761
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NM_007107	SSR3	2194	2244	3.15335063652
NM_007107	SSR3	2121	2188	3.15335063652
NM_007107	SSR3	3004	3074	3.1493397674
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NM_007107	SSR3	2057	2106	4.73831986808
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NM_000489	ATRX	7072	7130	4.91839422279
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NM_000489	ATRX	9198	9296	5.00253319626
NM_000489	ATRX	5306	5361	4.998515832
NM_000489	ATRX	9982	10055	6.00253343218
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NM_000489	ATRX	9470	9513	4.998515832
NM_000489	ATRX	5760	5841	6.00235968186
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NM_007104	RPL10A	186	423	2.2781616057
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NM_000485	APRT	19	83	5.2638879323
NM_007108	TCEB2	355	421	5.30486580024
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NM_000483	APOC2	556	601	3.52460213237
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NM_005800	USPL1	1145	1217	7.91720367202
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NM_014177	C18orf55		1083	1150 4.15981144016
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NM_005258	GCHFR	202	305	8.28193189294
NM_003824	FADD	1584	1705	6.32453177715
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NM_003825	SNAP23	1081	1126	4.53043725548
NM_003825	SNAP23	1922	1957	2.86150929569
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NM_003827	NAPA	611	662	6.35422688037
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NM_003827	NAPA	695	780	8.35423361142
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NM_003827	NAPA	1442	1504	6.3542333755
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NM_003820	TNFRSF14		1338	1415 9.02626252785
NM_003820	TNFRSF14		270	317 7.43728242696
NM_003820	TNFRSF14		1497	1636 9.44130002713
NM_003820	TNFRSF14		627	702 9.02608877753
NM_003821	RIPK2	1423	1483	6.85726962928
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NM_012181	FKBP8	237	288	4.61301793007
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NM_001017408	GOPC	958	1019	3.9996382962
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NM_003828	MTMR1	1477	1514	7.15331254989
NM_003828	MTMR1	1719	1811	7.15732991414
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NM_014173	BABAM1	1370	1432	7.30626774342
NM_014173	BABAM1	665	730	5.98433964852
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NM_014173	BABAM1	450	488	5.98416589821
NM_014173	BABAM1	1143	1195	6.56930214924
NM_014173	BABAM1	540	665	7.79169457059
NM_001682	ATP2B1	3546	3656	8.86042260053
NM_001682	ATP2B1	4402	4453	6.86042236461
NM_001682	ATP2B1	3663	3730	7.59738819469
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NM_001682	ATP2B1	2595	2683	8.86042260053
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NM_001682	ATP2B1	1785	1958	9.2754600998
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NM_001682	ATP2B1	153	302	7.86042260053
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NM_001682	ATP2B1	2	86	6.86042260053
NM_001682	ATP2B1	535	1130	10.5233876132
NM_001683	ATP2B2	1632	1686	7.82129899232
NM_001680	FXVD2	329	435	9.04401859986
NM_001680	FXVD2	53	206	10.9509091955
NM_001686	ATP5B	146	275	5.18201108991
NM_001686	ATP5B	581	1475	9.12345890755
NM_001686	ATP5B	1488	1822	7.08013147589
NM_001686	ATP5B	288	575	7.36643566104
NM_001025780	FAM108B1		1381	1444 7.64936524627
NM_001025780	FAM108B1		1698	1740 6.64535437715

NM_001684	ATP2B4	2066	2147	9.39409730565	
NM_001684	ATP2B4	2175	2257	8.39409730565	
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NM_001684	ATP2B4	3441	3556	10.4782365075	
NM_001866	COX7B	148	190	3.27799837909	
NM_001866	COX7B	192	300	4.86296087982	
NM_001688	ATP5F1	717	809	4.72931483174	
NM_001688	ATP5F1	1122	1166	3.5593898303	
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NM_020738	KIDINS220		3354	3430	8.1563325066
NM_020738	KIDINS220		2617	2677	6.8344041758
NM_020738	KIDINS220		1214	1287	6.83440441172
NM_020738	KIDINS220		4618	4661	5.8342306614
NM_020738	KIDINS220		2084	2142	7.41936691244
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NM_020738	KIDINS220		1944	2026	7.41936691222
NM_000154	GALK1	193	257	6.2474367855	
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NM_024031	PRR14	1433	1492	8.722996111	
NM_024033	C7orf49	483	539	7.28568503311	
NM_024033	C7orf49	180	236	6.70089628248	
NM_024033	C7orf49	793	862	5.70089627515	
NM_024033	C7orf49	1012	1106	8.02282437004	
NM_024038	C19orf43		190	241	5.92805802042
NM_024038	C19orf43		568	652	5.92805825634
NM_024038	C19orf43		114	171	4.3430955197
NM_024038	C19orf43		700	913	8.66502385051
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NM_024038	C19orf43		409	514	5.92805825634

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NM_000158	GBE1	2350	2413	5.40304299804
NM_000158	GBE1	1302	1357	3.81807400219
NM_000158	GBE1	1079	1137	3.81790698292
NM_000158	GBE1	1898	1939	4.81406313307
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NM_000158	GBE1	1382	1459	4.81808073324
NM_000158	GBE1	2722	2804	5.40303650291
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NM_000158	GBE1	777	820	3.81406313307
NM_000158	GBE1	1586	1671	3.81808049732
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NM_017414	USP18	1301	1357	6.83097157812
NM_021021	SNTB1	4243	4293	5.3451856744
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NM_021021	SNTB1	2560	2630	6.93014145162
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NM_015550	OSBPL3	6617	6677	6.26998523989
NM_015550	OSBPL3	2368	2415	7.26981172549
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NM_015550	OSBPL3	2894	3127	7.85494797653
NM_015550	OSBPL3	744	896	8.26998547581
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NM_021027	UGT1A9	1487	1534	13.3181716493
NM_021027	UGT1A9	1209	1283	12.6530875394
NM_021029	RPL36A	154	480	4.34517835975
NM_015556	SIPA1L1	1935	2028	8.40504921748

NM_015556	SIPA1L1	2346	2393	7.81606911658	
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NM_173537	GTF2IRD2		613	654	8.68201754019
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NM_173531	ZNF100	313	366	10.1845246042	
NM_015554	GLCE	749	790	6.43251358788	
NM_015554	GLCE	616	699	7.42866973802	
NM_015554	GLCE	81	133	6.43268733819	
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NM_018309	TBC1D23	2051	2125	5.23120473171	
NM_003352	SUM01	206	267	5.93822333034	
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NM_001011725	HNRNPA1L2		953	1080	4.66855131173
NM_001011725	HNRNPA1L2		1626	1718	3.90301656537
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NM_001011725	HNRNPA1L2		1333	1476	4.75101347192
NM_001011725	HNRNPA1L2		1871	2138	4.97340589326
NM_001011725	HNRNPA1L2		1509	1551	0.581081739427
NM_001011725	HNRNPA1L2		1160	1330	5.10465042654
NM_001011725	HNRNPA1L2		1555	1625	1.58108847048
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NM_003350	UBE2V2	905	957	2.14185583822	
NM_003350	UBE2V2	437	492	2.06173422901	
NM_003350	UBE2V2	196	266	2.14586670734	
NM_003350	UBE2V2	543	589	3.72681833894	
NM_001011722	ARHGEF10L		14	66	5.96793728111
NM_001011722	ARHGEF10L		905	952	5.96409343125
NM_001011722	ARHGEF10L		4188	4253	6.96811103143
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NM_001011722	ARHGEF10L		1960	2023	8.29003912631
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NM_006275	SRSF6	2640	2666		1.93284242868
NM_006275	SRSF6	719	755		2.93284892381
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NM_003358	UGCG	1385	1444		7.93501605496
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NM_003359	UGDH	3004	3076		4.214338598
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NM_003359	UGDH	551	762		6.73790055406
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NM_005660	SLC35A2	736	802		10.5099930644
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NM_004813	PEX16	687	760		8.03232998633
NM_004814	SNRNP40	194	264		5.76272127553
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NM_004814	SNRNP40	777	853		4.76289478993
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NM_004815	ARHGAP29		340	387	7.05281530783
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NM_020199	C5orf15	1209	1290		7.68375560671
NM_020199	C5orf15	1082	1125		8.26871810744
NM_020199	C5orf15	499	538		7.59961639733
NM_020199	C5orf15	548	674		8.49111052877

NM_020199	C5orf15	1632	1674	5.67973800654
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NM_020199	C5orf15	1337	1387	7.26871810744
NM_020199	C5orf15	818	1004	9.26871810744
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NM_020199	C5orf15	371	442	7.26871809989
NM_020198	CCDC47	1542	1612	4.67269659473
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NM_020198	CCDC47	2860	2917	4.08773408646
NM_020198	CCDC47	166	236	3.087734094
NM_020198	CCDC47	1782	1856	5.25765909545
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NM_020198	CCDC47	1869	1997	5.40966218889
NM_020198	CCDC47	3328	3397	2.08371649383
NM_020198	CCDC47	275	677	7.97037714337
NM_020198	CCDC47	2478	2520	3.67252284441
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NM_020198	CCDC47	2131	2230	5.54716571264
NM_004818	DDX23	2710	2773	5.14100973022
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NM_004819	SYMPK	830	865	5.63770177571
NM_004819	SYMPK	727	793	7.22668186905
NM_004819	SYMPK	3863	3920	7.64171937566
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NM_020195	SDR39U1	953	1081	8.52604833253	
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NM_020194	MFF	618	715	6.5696556608	
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NM_020192	C7orf36	236	300	7.98643110808	
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NM_020191	MRPS22	634	677	4.97551576025	
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NM_020190	OLFML3	78	122	9.10533331617	
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NM_020190	OLFML3	256	333	9.10534004723	
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NM_005663	WHSC2	2139	2196	8.29116273269	
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NM_032960	MAPKAPK2		751	847	7.7957704087
NM_032960	MAPKAPK2		1489	1577	7.47384231381
NM_032960	MAPKAPK2		2331	2369	5.38970310443
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NM_032960	MAPKAPK2		2005	2044	5.38970310443
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NM_032965	CCL15	414	455		5.9292675563
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NM_032965	CCL15	652	715		7.51423005702
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NM_014313	TMEM50A	1162	1211		5.7008962827
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NM_003688	CASK	6836	6885		7.49622529163
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NM_003688	CASK	2004	2071		8.08520539252
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NM_003688	CASK	1734	1795		7.50023616075
NM_003688	CASK	115	194		8.08520539252
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NM_003680	YARS	1670	1752		4.58584703811
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NM_003680	YARS	943	988	4.17080280778
NM_003680	YARS	2318	2360	3.58567328779
NM_003680	YARS	1909	1987	3.58584703789
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NM_003681	PDXK	4734	4792	5.10060212823
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NM_003681	PDXK	5706	5765	5.68556462895
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NM_003681	PDXK	7028	7110	5.10060212823
NM_014311	SMUG1	340	395	7.90393945011
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NM_145115	ZNF498	124	155	9.40525296813
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NM_003685	KHSRP	2390	2465	6.40351031545
NM_003685	KHSRP	1554	1644	5.81854781473
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NM_006416	SLC35A1	808	854	9.17812326036
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NM_003174	SVIL	4032	4088	7.1552989892
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NM_006413	RPP30	253	309	7.9162114452
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NM_006413	RPP30	848	896	7.00034392353
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NM_003170	SUPT6H	2464	2501	4.49408676537
NM_003170	SUPT6H	2039	2090	3.49426051568
NM_003170	SUPT6H	3447	3522	5.49426051569
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NM_003170	SUPT6H	3165	3221	5.07922301641
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NM_002080	GOT2	570	617	5.42635033355	
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NM_025256	EHMT2	2741	2825	7.51101492912
NM_025256	EHMT2	3799	3859	6.51100843399
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NM_001142350	THOC6	1161	1227	8.01562060449
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NM_134442	CREB1	142	228	7.90816816356
NM_079834	SCAMP4	552	622	8.05322886996
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NM_079834	SCAMP4	628	702	7.05322886996
NM_014911	AAK1	20462	20502	9.27285588655
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NM_014911	AAK1	2600	2659	8.27302962932
NM_014911	AAK1	870	915	8.27285588655
NM_014911	AAK1	14447	14504	8.27302940095
NM_014911	AAK1	16011	16062	9.18889042749
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NM_014913	ADNP2	444	502	9.48827093528
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NM_005023	PGGT1B	528	578	8.5282711562
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NM_005027	PIK3R2	3176	3228	4.61725098586
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NM_002076	GNS	310	367	7.2592594031
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NM_001206977	NR1H4	459	513	4.03678290322	
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NM_001206977	NR1H4	2115	2158	5.12092210505	
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NM_001853	COL9A3	2016	2097	7.47546597446
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NM_001853	COL9A3	205	324	8.89050347374
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NM_001853	COL9A3	681	745	5.89050347374
NM_001853	COL9A3	2207	2268	5.88648587357
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NM_001853	COL9A3	1861	1921	5.88648587357
NM_001853	COL9A3	131	188	5.89050346619
NM_001853	COL9A3	2302	2454	7.89050347374
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NM_001852	COL9A2	2075	2133	7.51523346558
NM_001852	COL9A2	2562	2627	7.51540721589
NM_001171628	VEGFA	1513	1591	2.81762355381
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NM_001171628	VEGFA	10	49	2.81360595386
NM_001171628	VEGFA	2791	2937	6.40258605475
NM_001171628	VEGFA	1176	1246	4.4025793237
NM_001171628	VEGFA	3203	3268	3.81762355403
NM_001171628	VEGFA	234	345	4.40258605475
NM_001859	SLC31A1	2605	2658	5.48827154005
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NM_001859	SLC31A1	105	192	8.29964406228
NM_206866	BACH1	230	263	5.7426534821
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NM_206860	TACC2	3562	3614	5.61987818259
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NM_153261	TMEM188	1382	1429	8.14162939649
NM_004649	C21orf33		491	573 5.56540686682
NM_004645	COIL	1080	1143	6.65838399615
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NM_004315	ASAH1	2377	2452	3.86971699934
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NM_004642	CDK2AP1	701	750	5.91490311589
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NM_020733	HEG1	2140	2220	8.23510873419
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NM_020733	HEG1	3459	3511	8.23511522933
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NM_016183	MRT04	368	424	6.4205248513
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NM_017859	UCKL1	699	765	3.87545742896
NM_017854	TMEM160	448	514	10.9233322686
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NM_017855	ODAM	383	456	9.06589519904
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NM_017855	ODAM	914	1061	9.58046837187
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NM_017855	ODAM	683	913	10.258540277
NM_017857	SSH3	1188	1230	8.15966389383
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NM_005721	ACTR3	393	447	2.54191308579
NM_005721	ACTR3	1627	1711	5.8638414166
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NM_052940	LRR42	1122	1193	4.48862151638
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NM_001204414	TINAGL1	1234	1320	7.42620588126
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NM_015995	KLF13	4878	4928	10.3561512521
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NM_001098616	C1orf43	114	133	5.18452139429
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NM_022752	ZNF574	1187	1243	10.4063559941
NM_022750	PARP12	145	197	7.24538888286
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NM_022757	CCDC14	2849	2910	7.95981311736
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NM_022754	SFXN1	2499	2537	4.23142258267
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NM_015168	ZC3H4	1160	1245	8.18216817649
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NM_001008410	STEAP3	2796	2835	11.3642073055
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NM_001008410	STEAP3	341	452	11.4483465074
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NM_015160	PMPCA	313	396	6.49715688023
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NM_015160	PMPCA	229	302	5.49715664431
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NM_015160	PMPCA	540	624	6.08211938094
NM_015160	PMPCA	1012	1125	5.49715688023
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NM_015161	ARL6IP1	697	841	9.02855929988
NM_015161	ARL6IP1	2097	2190	8.22120437782
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NM_015167	JMJD6	547	745	7.6576418961
NM_015164	PLEKHM2	3077	3161	8.28141520989
NM_015164	PLEKHM2	679	714	6.6123137357
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NM_019067	GNL3L	3365	3482	7.49705216638
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NM_019067	GNL3L	3644	3752	9.49705216638
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NM_014611	MDN1	10528	10583	7.27936962848
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NM_001178139	TFDP2	5351	5421	5.47181112588
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NM_001040202	PAQR3	531	573	10.8852854736
NM_004124	GMFB	117	179	6.74403703167
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NM_001333	CTSL2	647	718	7.75021758729
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NM_001333	CTSL2	495	608	8.75021758729
NM_004127	GPS1	850	914	7.13524827103
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NM_001440	EXTL3	117	170	7.69764184786
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NM_001448	GPC4	940	1029	13.8062345156
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NM_001164262	PPIAL4F	243	281	9.08549523583
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NM_000313	PROS1	924	973	5.97934168352
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NM_000312	PROC	868	938	4.21209184254	
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NM_000310	PPT1	1025	1098	7.32160131426	
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NM_000310	PPT1	2152	2223	6.15167631282	
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NM_030630	C17orf28		1087	1133	10.0234342602
NM_030630	C17orf28		744	804	10.6082230181
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NM_030630	C17orf28		2429	2521	10.0234342675
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NM_030630	C17orf28		591	721	10.6083967684
NM_030630	C17orf28		1180	1307	10.0234342677
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NM_030630	C17orf28		239	329	10.6083965325
NM_030630	C17orf28		1583	1648	10.6083967684
NM_030636	EPPD1	2777	2843	8.0541614962	
NM_030636	EPPD1	467	576	10.0581790964	
NM_138788	TMEM45B	1063	1138	5.47041082146	
NM_138788	TMEM45B	1516	1599	4.88545481587	
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NM_138788	TMEM45B	7	65	5.47041755251	
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NM_138788	TMEM45B	91	340	8.88545505179	
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NM_021221	LY6G5B	545	613	7.47939486508	
NM_021221	LY6G5B	618	737	9.48341246526	
NM_021227	OSTC	898	967	5.81314168001	

NM_021227	OSTC	967	1032	5.81314168001
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NM_021227	OSTC	65	343	8.76733799039
NM_021228	SCAF1	2116	2151	7.53344556004
NM_021228	SCAF1	2718	2793	9.2025472626
NM_021228	SCAF1	2557	2623	9.61758476942
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NM_021228	SCAF1	2255	2297	7.53344556004
NM_021228	SCAF1	590	642	9.93951286431
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NM_021228	SCAF1	1198	1219	8.61356716925
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NM_021228	SCAF1	360	590	10.2025472701
NM_021229	NTN4	1761	1802	8.30527314676
NM_138785	C6orf72	736	808	6.38237309664
NM_138785	C6orf72	1032	1070	4.79740386486
NM_138785	C6orf72	897	943	6.79339299575
NM_138785	C6orf72	614	717	6.38237309664
NM_138785	C6orf72	265	306	5.7972368456
NM_138787	C11orf74		65	169 6.21102611791
NM_001083314	CHMP1A	293	338	7.61917723161
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NM_001083314	CHMP1A	906	1024	9.42653215367
NM_001083314	CHMP1A	1632	1700	5.6190034813
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NM_001142650	HNRPLL	491	526	6.68628557326
NM_001142650	HNRPLL	1051	1111	6.1014900918
NM_001142650	HNRPLL	1670	1711	6.01735761347
NM_001142650	HNRPLL	365	477	7.68645932357
NM_001142650	HNRPLL	1863	1941	5.10132307253
NM_173514	SLC38A9	1262	1314	10.2103257616
NM_173514	SLC38A9	1318	1389	10.4733601675
NM_173514	SLC38A9	663	836	11.0583226682
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NM_173514	SLC38A9	483	519	7.80425845735	
NM_173514	SLC38A9	899	1016	10.4733601675	
NM_173514	SLC38A9	1525	1628	10.2103257616	
NM_173514	SLC38A9	1714	1922	12.0583226682	
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NM_173514	SLC38A9	70	134	9.88839743081	
NM_173514	SLC38A9	137	298	10.6957525888	
NM_173515	CNKSR3	685	745	6.77572778959	
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NM_173517	VKORC1L1		762	799	4.63474410834
NM_173517	VKORC1L1		161	216	6.63474410834
NM_173517	VKORC1L1		2548	2605	5.55061163001
NM_173517	VKORC1L1		4371	4432	4.63073323922
NM_173517	VKORC1L1		1131	1233	6.63475083939
NM_173517	VKORC1L1		1727	1762	5.63073323922
NM_173517	VKORC1L1		851	941	5.63475083939
NM_173517	VKORC1L1		2634	2686	5.63457708907
NM_173517	VKORC1L1		2233	2323	7.21971333256
NM_173517	VKORC1L1		409	520	7.21971334011
NM_173517	VKORC1L1		522	650	7.95667893428
NM_173517	VKORC1L1		2382	2466	6.21970660906
NM_173510	CCDC117	430	530	4.83013531805	
NM_173512	SLC38A11		1157	1216	9.80958041806
NM_004781	VAMP3	1147	1196	4.0588648621	
NM_004781	VAMP3	522	569	3.97874325289	
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NM_004781	VAMP3	1727	1781	3.0588648621	
NM_004781	VAMP3	417	519	3.06288246227	
NM_004782	SNAP29	844	923	4.12119903261	
NM_004782	SNAP29	983	1031	3.11718143266	
NM_004782	SNAP29	2747	2788	4.12102528251	
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NM_004785	SLC9A3R2		357	405	6.07045780848
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NM_139323	YWHAB	343	414	2.64365393951
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NM_020196	XAB2	1232	1290	7.08661946999
NM_020196	XAB2	1529	1617	7.67158220663
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NM_003156	STIM1	319	383	6.28356095915
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NM_003156	STIM1	2179	2236	6.28355423565
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NM_003156	STIM1	24	81	5.28338721638
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NM_003156	STIM1	639	695	5.19942175732
NM_003156	STIM1	3115	3180	5.28355423565
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NM_003156	STIM1	183	277	5.2835609667
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NM_006437	PARP4	2211	2259	6.63490707498
NM_006437	PARP4	1053	1135	6.6389179441
NM_006437	PARP4	2513	2556	6.04994457426
NM_006437	PARP4	4128	4172	5.05378842412
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NM_006437	PARP4	3656	3727	6.63892443924
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NM_006437	PARP4	1480	1551	5.05396193851
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NM_003150	STAT3	1490	1571	6.13001627608
NM_003150	STAT3	984	1086	5.80808818119
NM_003150	STAT3	896	961	5.3930506819
NM_003150	STAT3	299	360	4.80808818097
NM_003150	STAT3	1958	2014	3.80808817364
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NM_003150	STAT3	418	454	3.80407058102
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NM_003150	STAT3	2220	2312	4.80808818097
NM_003150	STAT3	2156	2207	4.72394897181
NM_003150	STAT3	1315	1416	6.39305068191
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NM_003150	STAT3	2329	2463	6.13001627608
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NM_006431	CCT2	235	293	4.94469011581
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NM_006431	CCT2	1406	1464	3.62258827061
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NM_006432	NPC2	817	882	7.32546280515
NM_006432	NPC2	330	457	8.91042530587
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NM_001197293	DPYSL2	1667	1739	5.70611858527
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NM_020310	MNT	4593	4663	8.26722280851
NM_020313	CIAPIN1	808	851	4.75972688402
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NM_001206710	PRKAG1	307	388	7.91260568342
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NM_020315	PDXP	902	951	7.50192863113
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NM_020315	PDXP	1246	1338	9.09090873202
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NM_020317	C1orf63	1085	1144	5.17878848158
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NM_001113361	TBC1D14	4461	4507	6.51231546404
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NM_001113361	TBC1D14	3277	3405	7.51633306421
NM_001113361	TBC1D14	1461	1525	7.51633306421
NM_001113361	TBC1D14	63	169	7.8382611591
NM_001113361	TBC1D14	178	281	5.51633306421
NM_001113361	TBC1D14	903	1110	6.51633306421
NM_001113361	TBC1D14	2512	2730	8.51633306421
NM_001113361	TBC1D14	4642	4761	6.51633306421
NM_001113361	TBC1D14	1783	1978	8.32368798627
NM_001113361	TBC1D14	1157	1329	7.8382611591
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NM_001004301	ZNF813	196	278	10.148894372
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NM_001969	EIF5	543	652	5.48062469939
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NM_139119	YY1AP1	2495	2551	6.03302209606	
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NM_001202485	HSPE1-PHOCN		552	607	7.05893948925
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NM_001040446	MTMR12	1536	1606	7.17094635131	
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NM_001040443	PHF11	1445	1530	7.34547899531	
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NM_001040441	ZBTB8A	3977	4027	8.9959221404
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NM_013241	FHOD1	769	857	7.00090130156
NM_013241	FHOD1	1746	1811	6.99688370138
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NM_005765	ATP6AP2	1912	2000	6.39805412357
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NM_005765	ATP6AP2	1626	1728	8.39805413111
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NM_005765	ATP6AP2	539	697	9.79037155389
NM_005765	ATP6AP2	1259	1360	8.39805413111
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NM_005765	ATP6AP2	1747	1882	7.719982226
NM_005765	ATP6AP2	99	379	9.85748574975
NM_013242	C16orf80		912	976 3.30000290694
NM_013245	VPS4A	1187	1234	4.1236892241
NM_013245	VPS4A	1928	1980	5.11984537425
NM_013245	VPS4A	498	562	4.11984537425
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NM_013245	VPS4A	906	994	4.1238627385
NM_013248	NXT1	369	451	8.06681357885
NM_013248	NXT1	907	979	8.64775871532
NM_014026	DCPS	937	992	7.70596355551
NM_005766	FARP1	871	958	3.16358318229
NM_005766	FARP1	2273	2359	2.16358294659
NM_005766	FARP1	681	724	3.74854567568
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NM_005766	FARP1	2565	2640	3.74854568323
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NM_005766	FARP1	641	679	2.07944397312
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NM_014021	SSX2IP	2153	2203	8.30135127871
NM_014028	OSTM1	533	590	9.40918043353
NM_014028	OSTM1	1339	1438	7.82421143768
NM_014028	OSTM1	753	798	9.4091739384
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NM_014028	OSTM1	222	371	10.1461462636
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NM_014028	OSTM1	924	1055	11.2836497874
NM_014028	OSTM1	804	923	10.4091806695
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NM_018217	EDEM2	629	719	8.86215336067
NM_018217	EDEM2	380	437	7.86215336067
NM_018217	EDEM2	948	1007	6.86197961035
NM_018217	EDEM2	1212	1278	6.8581357605
NM_018217	EDEM2	247	376	10.0320783621
NM_018217	EDEM2	1352	1424	8.86215336045
NM_018216	PANK4	243	341	7.59061480821
NM_018216	PANK4	2412	2447	7.59445865807
NM_018216	PANK4	1310	1358	8.59463240084
NM_001145971	RDH13	706	761	8.53558615654
NM_015374	SUN2	2581	2641	5.7888566896
NM_015374	SUN2	3715	3765	7.11095853481
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NM_015374	SUN2	2493	2564	6.37399294064
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NM_018212	ENAH	4831	4896	6.58940344626
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NM_015379	BRI3	667	714	6.33709451069
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NM_018218	USP40	1675	1715	5.02846125661
NM_152608	C1orf55	1914	1962	5.36525761958
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NM_002205	ITGA5	3201	3261	13.1363176621
NM_002205	ITGA5	600	642	12.0521784603
NM_002205	ITGA5	2347	2380	12.1361439193
NM_002205	ITGA5	240	302	12.1363176696
NM_002205	ITGA5	2814	2890	13.72110642
NM_002205	ITGA5	2159	2275	13.7212801704
NM_001134875	C14orf80		1273	1369 9.29324047511
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NM_002203	ITGA2	3208	3256	8.61915354595
NM_002203	ITGA2	2290	2335	7.61915354595
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NM_002203	ITGA2	5808	5852	6.034191045
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NM_002203	ITGA2	70	126	7.61915354573
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NM_002203	ITGA2	5277	5306	6.03017344505
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NM_002203	ITGA2	3647	3707	8.03419104523
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NM_002203	ITGA2	2364	2590	10.5577530013
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NM_002203	ITGA2	1740	1944	9.94108164084
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NM_002203	ITGA2	6425	6479	6.03419103768
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NM_002203	ITGA2	463	551	8.03419104523
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NM_002203	ITGA2	1987	2105	9.61915354595
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NM_001166114	PNPLA6	1272	1317	7.4936172609
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NM_032383	HPS3	805	868	6.08040104215
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NM_032382	COG8	1080	1111	9.32579573522
NM_032382	COG8	2001	2030	8.24567412601
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NM_080476	PIGU	1494	1566	6.2777196356
NM_080476	PIGU	197	250	7.59964796641
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NM_080476	PIGU	711	1123	10.7039846262
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NM_004223	UBE2L6	432	501	8.24877861946
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NM_015088	TNRC6B	13719	13788	8.26673096595
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NM_177423	PPFIA1	1711	1781	5.59555095638
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NM_177423	PPFIA1	1214	1305	4.59554446125
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NM_001786	CDK1	1199	1261	10.0957635713
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NM_001833	CLTA	1079	1134	2.17044175329
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NM_001784	CD97	3094	3166	11.1066584281
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NM_004147	DRG1	1230	1285	4.67838864945
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NM_001616	ACVR2A	1974	2025	7.3325275198
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NM_182642	CTDSP1	2348	2393	8.68170583182
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NM_001024912	CEACAM1	1126	1212	6.30721223477
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NM_004661	CDC23	1064	1134	7.24653281817
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NM_004660	DDX3Y	1095	1162	4.2909613367
NM_004667	HERC2	4634	4701	7.14405182018
NM_004667	HERC2	7001	7083	7.1442255705
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NM_004667	HERC2	11635	11682	7.14405182018
NM_004667	HERC2	9576	9623	6.06008636111
NM_004667	HERC2	6070	6153	7.14421883945
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NM_001168	BIRC5	660	715	8.35898622792
NM_001168	BIRC5	311	340	4.8154153999
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NM_001168	BIRC5	1066	1113	6.48451711
NM_001166	BIRC2	1662	1748	5.03080516105
NM_001166	BIRC2	2815	2881	5.0267875611

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NM_025222	WDR82	820	898	5.25527651154
NM_025222	WDR82	672	711	3.66629641064
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NM_025222	WDR82	1266	1379	4.67031401081
NM_198318	PRMT1	1317	1365	5.81552768128
NM_198318	PRMT1	1169	1210	4.07856208689
NM_198318	PRMT1	124	291	5.81552768128
NM_198318	PRMT1	996	1169	5.30095450845
NM_198318	PRMT1	831	926	2.49359958639
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NM_198318	PRMT1	644	820	6.30095450845
NM_001143827	MAPRE2	1463	1521	4.96704559531
NM_001143827	MAPRE2	1214	1297	6.63614706949
NM_001143827	MAPRE2	450	539	7.37311289935
NM_001199462	PDCD2	694	758	7.32556849322
NM_001199462	PDCD2	268	326	7.32556825731
NM_001199462	PDCD2	353	401	7.00346664802
NM_001199462	PDCD2	950	993	6.00363366728
NM_001199462	PDCD2	766	834	4.91950118895
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NM_001199462	PDCD2	175	266	6.00364039812
NM_198310	TTC8	695	759	9.0310336313
NM_000784	CYP27A1	366	417	5.06280376117
NM_000784	CYP27A1	2121	2204	3.47784799151
NM_000784	CYP27A1	580	656	6.06281049223
NM_000784	CYP27A1	780	851	3.47784799151
NM_000784	CYP27A1	694	772	5.47784799151
NM_000784	CYP27A1	853	919	5.47784798396
NM_000784	CYP27A1	1546	1775	7.28520291356
NM_000784	CYP27A1	948	1332	8.43204430189
NM_000784	CYP27A1	1354	1539	6.64777299295
NM_017787	C10orf26		1594	1646 6.19531848163
NM_017787	C10orf26		2411	2451 6.19933584589
NM_017787	C10orf26		2968	3033 7.78429857498
NM_017787	C10orf26		3409	3466 6.19531848163
NM_000788	DCK	2478	2591	6.76520796551
NM_000788	DCK	922	973	6.1800717147
NM_000788	DCK	225	279	5.17622786484
NM_000788	DCK	1606	1757	6.18024546502
NM_000788	DCK	581	788	9.57256288779
NM_000788	DCK	1404	1459	7.18024545747
NM_000788	DCK	395	576	8.98760038707

NM_000788	DCK	1259	1380	7.18024546502
NM_000788	DCK	1020	1089	6.1800717147
NM_000788	DCK	845	909	5.17622786484
NM_000788	DCK	2165	2246	5.18023873396
NM_017838	NHP2	752	804	6.76599651355
NM_017837	PIGV	515	618	9.77497705839
NM_017837	PIGV	1716	1760	8.690837849
NM_017837	PIGV	1194	1231	8.77497682247
NM_017837	PIGV	1023	1114	10.3599395591
NM_017837	PIGV	1438	1497	8.690837849
NM_017837	PIGV	1385	1435	8.77497032733
NM_017837	PIGV	910	948	9.77480330807
NM_017837	PIGV	1763	1814	10.3599395589
NM_017837	PIGV	737	797	8.77095945821
NM_172070	UBR3	587	640	7.19619295292
NM_172070	UBR3	6075	6123	5.20021031718
NM_172070	UBR3	3669	3781	6.78517305382
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NM_172070	UBR3	2592	2641	6.78516632276
NM_172070	UBR3	5384	5468	7.20021031718
NM_172070	UBR3	4928	4961	6.11607134371
NM_172070	UBR3	4287	4393	7.52213864798
NM_172070	UBR3	2327	2389	5.20021031718
NM_172070	UBR3	1798	1869	5.20021054555
NM_172070	UBR3	1463	1534	6.20020382204
NM_172070	UBR3	2761	2851	7.52213864798
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NM_172071	RC3H1	730	779	7.83964313199
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NM_006756	TCEA1	2106	2168	1.46560248099
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NM_016308	CMPK1	1887	1935	3.4592718131
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NM_016308	CMPK1	579	718	6.26662673517
NM_016308	CMPK1	1316	1390	5.04423431383
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NM_016308	CMPK1	167	411	7.04423431383
NM_016308	CMPK1	771	834	4.45927180556
NM_016306	DNAJB11	1599	1664	2.89071397579
NM_016306	DNAJB11	38	126	3.47567647652
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NM_016306	DNAJB11	157	778	8.0404610953
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NM_016304	RSL24D1	1240	1309	0.91670654429
NM_016304	RSL24D1	652	724	3.23862790813
NM_016304	RSL24D1	1144	1233	1.91670654429
NM_016304	RSL24D1	171	210	1.91268894412
NM_016301	GPN3	318	387	6.41225588283
NM_015962	FCF1	316	390	6.96221864406
NM_015962	FCF1	651	698	6.37323854317
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NM_015963	THAP4	419	475	6.47595377491
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NM_015960	CUTC	590	641	5.95511830239
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NM_015966	ERGIC3	1214	1316	4.39834914804
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NM_015966	ERGIC3	162	672	6.66683798396
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NM_015965	NDUFA13	371	421	2.72430832267
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NM_015969	MRPS17	150	195	6.31158955037
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NM_138447	ZNF689	588	640	8.56179078431
NM_138446	C7orf30	344	382	6.64099675927
NM_138446	C7orf30	388	432	6.96309859693
NM_138446	C7orf30	610	676	6.22613301009
NM_138446	C7orf30	172	295	7.22613301031
NM_138446	C7orf30	458	562	7.22613301031
NM_138443	HAUS1	881	923	4.11778953857
NM_138443	HAUS1	421	465	5.0338240795
NM_138442	CCDC124	9	69	5.60812803506
NM_138442	CCDC124	191	258	6.60812802751
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NM_172251	MRPL54	241	322	6.918398797
NM_001136538	ACAD10	538	581	9.06213989318
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NM_007317	KIF22	472	517	5.46044528344
NM_007317	KIF22	412	461	5.5445844926
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NM_007317	KIF22	100	258	6.54458449282
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NM_007317	KIF22	1066	1212	8.12954699355
NM_007317	KIF22	573	652	6.54458425691
NM_007317	KIF22	912	1062	8.54458449282
NM_007317	KIF22	1779	1849	5.54056689265
NM_001164459	ACTR3C	247	288	10.8192466254
NM_001164459	ACTR3C	484	551	11.2344511439
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NM_020654	SENP7	2134	2205	7.40649361576
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NM_001024666	SH3KBP1	2202	2260	5.68083102132
NM_001024666	SH3KBP1	880	948	6.34992600037
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NM_001032288	UBE2V1	846	913	3.42824040759
NM_001032288	UBE2V1	568	641	4.16520623767
NM_001032288	UBE2V1	1820	1889	1.83926054261
NM_001032288	UBE2V1	89	142	1.7591389334
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NM_001032281	TFPI	507	715	4.51665438846
NM_001032281	TFPI	716	921	4.61974788142
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NM_002926	RGS12	1729	1783	6.84574141792
NM_002926	RGS12	1045	1105	7.84574164629
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XM_929503	OSTCP2	141	211	10.2136931117
XM_929503	OSTCP2	433	483	8.89175828573
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NM_031407	HUWE1	5186	5236	4.7320284017
NM_031407	HUWE1	2761	2830	7.53939005481
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NM_031407	HUWE1	11956	12021	6.73203489683
NM_031407	HUWE1	9618	9698	5.7320351252
NM_031407	HUWE1	10003	10072	6.31699763347
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NM_031407	HUWE1	11657	11739	6.73203513275
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NM_031407	HUWE1	3693	3933	8.05396322764
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NM_002923	RGS2	347	406	11.2372723083
NM_031157	HNRNPA1	1701	1766	1.91976423132
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NM_153247	SLC29A4	858	913	9.54082930005
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NM_153247	SLC29A4	2270	2350	7.95586703524
NM_153247	SLC29A4	1212	1385	10.2777951301
NM_024315	C7orf23	550	633	6.40239295757
NM_024315	C7orf23	323	370	7.99136632741
NM_024315	C7orf23	382	453	7.40623680743
NM_001081550	THOC2	1294	1361	6.4503444255
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NM_001081550	THOC2	1065	1130	6.45436178976
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NM_001081550	THOC2	1839	1893	4.86538192478
NM_001081550	THOC2	3065	3134	6.45418827536
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NM_024313	NOL12	2704	2748	8.25318062421
NM_024312	GNPTAB	415	486	7.44956274481
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NM_024319	C1orf35	885	927	7.05169307055
NM_024319	C1orf35	1016	1070	6.97157146134
NM_024319	C1orf35	133	186	8.05553692041
NM_173701	WARS	840	907	7.37736390706
NM_173701	WARS	1777	1868	6.96232617187
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NM_173701	WARS	393	432	6.96215265747
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NM_173701	WARS	1001	1079	5.37736389952
NM_173701	WARS	1306	1413	6.96232640779
NM_173701	WARS	621	670	6.29322469768
NM_173701	WARS	1639	1739	7.69929200195
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NM_203495	COMMD6	310	387	4.877407751
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NM_001001655	ALKBH2	815	854	6.03309892043
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NM_014871	PAN2	1164	1249	7.34080019054
NM_024930	ELOVL7	317	397	12.2384471587
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NM_024930	ELOVL7	656	688	11.1543079493
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NM_003527	HIST1H2B0		203	342	10.6704577366
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NM_003526	HIST1H2BC		81	303	10.7959886186
NM_003520	HIST1H2BN		103	147	7.14689554458
NM_003520	HIST1H2BN		157	219	9.95425070256
NM_003528	HIST2H2BE		10	111	10.0074927238
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NM_014046	MRPS18B	154	190	4.62769107426	
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NM_014763	MRPL19	6450	6485	3.20582541279	
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NM_005256	GAS2	518	570	7.99358618303
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NM_032174	TOMM40L	173	240	6.97818385693
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NM_052969	RPL39L 537	669	4.11933869081	
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NM_032714	INF2 678	727	5.81454916029	
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NM_003574	VAPA 850	906	3.98664163144	
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NM_032718	MFSD9	217	263	9.00753334023
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NM_001077350	NPRL3	2196	2278	8.26354650419
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NM_183352	SEC13	598	643	4.16979290753
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NM_015148	PASK	3617	3673	8.29932422239
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NM_016827	OGG1	702	763	6.99403783724
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NM_016824	ADD3	434	512	5.21380600762
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NM_174921	C4orf34	335	373	9.43310967098
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NM_014223	NFYC	520	602	6.47636350373
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NM_000373	UMPS	1262	1327	4.63011670945
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NM_181471	RFC2	960	1019	5.4346116247
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NM_145330	MRPL33	148	263	2.07877576577
NM_145333	MAP3K7	1082	1167	7.74445831799
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NM_145333	MAP3K7	641	705	7.15949558136
NM_145333	MAP3K7	2218	2266	7.1554782171
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NM_145333	MAP3K7	2550	2620	6.15932206696
NM_145333	MAP3K7	504	635	7.15949581728
NM_182922	HEATR3	555	638	6.61661824796
NM_001193343	MRPS18A	194	265	5.12720712742
NM_182924	MICALL2	277	310	9.29338490731
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NM_003318	TTK	2718	2786	8.87524901073
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NM_006237	POU4F1	3555	3605	10.5872921737
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NM_006234	POLR2J	119	175	6.60992346006
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NM_006234	POLR2J	270	334	5.60993019111
NM_003315	DNAJC7	969	1023	4.99274283544
NM_003315	DNAJC7	853	965	4.99274284299
NM_003315	DNAJC7	1587	1651	3.67064099779
NM_003315	DNAJC7	753	812	2.66679714793
NM_003315	DNAJC7	1269	1359	2.67081474055

NM_003315	DNAJC7	1362	1495	4.99274284299
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NM_006232	POLR2H	448	500	5.57500624625
NM_006232	POLR2H	904	931	3.9860261529
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NM_006232	POLR2H	526	614	6.79739867513
NM_006232	POLR2H	1086	1128	4.90590454369
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NM_006232	POLR2H	624	740	6.31197184796
NM_003313	TSTA3	339	389	5.00534511101
NM_006230	POLD2	1118	1191	8.27243419544
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NM_006231	POLE	7132	7204	9.03295247291
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NM_004859	CLTC	6124	6207	7.16274639429
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NM_153613	LPCAT4	229	281	6.87532517173
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NM_004501	HNRNPU	294	373	2.35217638107
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NM_004507	HUS1	520	573	7.68899529843
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NM_004852	ONECUT2	9106	9224	11.577288777
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NM_198435	AURKA	133	202	6.81902332186
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NM_144683	DHRS13	1597	1659	11.2463605237
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NM_000195	HPS1	412	472	8.87360393179
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NM_000194	HPRT1	278	339	4.58778941304
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NM_000196	HSD11B2	54	77	9.027780755
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NM_000199	SGSH	540	595	9.19941747254
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NM_198129	LAMA3	5500	5585	12.581103848
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NM_006111	ACAA2	593	634	3.5280164113
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NM_020338	ZMIZ1	853	893	7.14991834785
NM_020338	ZMIZ1	512	590	7.81902005795
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NM_020338	ZMIZ1	4709	4861	8.55598565212
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NM_020337	ANKRD50	531	597	8.7791077713
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NM_020336	RALGAPB	501	595	6.22134407365
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NM_000999	RPL38	22	250	4.58256014803
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NM_000998	RPL37A	33	82	-1.89552854054
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NM_144775	SMCR8	2729	2785	9.08415843059
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NM_000995	RPL34	1	147	2.81362885939
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NM_001003407	ABLIM1	4566	4620	6.65117490387
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NM_000997	RPL37	379	436	0.991292919294
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NM_000996	RPL35A	19	153	4.46761318582
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NM_004301	ACTL6A	528	605	6.71839315892
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NM_002040	GABPA	2591	2640	6.2064317089
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NM_002040	GABPA	582	673	7.79139420962
NM_002040	GABPA	1690	1718	7.2064317089
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NM_002046	GAPDH	89	1398	7.36022128258
NM_013265	C11orf2	2068	2120	5.76253671366
NM_013265	C11orf2	880	926	4.75852584454
NM_013265	C11orf2	1912	1975	6.34750593789
NM_013265	C11orf2	518	593	6.76254344471
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NM_013265	C11orf2	2121	2283	7.56989836677
NM_013263	BRD7	1118	1177	2.49572103081
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NM_013263	BRD7	606	709	4.49973863099
NM_013261	PPARGC1A		2843	2863 6.87151335039
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NM_033141	MAP3K9	2571	2628	8.5423249878	
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NM_015318	ARHGEF18		1085	1196	8.66254865748
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NM_015317	PUM2	3190	3228	3.99458173135
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NM_015310	PSD3	537	614	10.5090753194	
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NM_018273	TMEM143	870	911	11.5259912696	
NM_001145432	C4orf52	463	534	6.80772413485	
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NM_001204425	BIVM-ERCC5		143	202	6.26468357362
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NM_012339	TSPAN15	414	458	9.41204805545	
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NM_012333	MYCBP	97	157	7.05944456755	

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NM_014402	UQCRQ	71	120	5.58231066714
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NM_014957	DENND3	3785	3813	10.0546246883
NM_015346	ZFYVE26	5215	5264	9.05329981246
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NM_014952	BAHD1	1836	1894	10.6696363879
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NM_014952	BAHD1	2950	2998	10.0846741156
NM_014952	BAHD1	2134	2185	11.0846741156
NM_014952	BAHD1	4250	4332	10.6696366238
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NM_018091	ELP3	970	1054	5.15683629979
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NM_018093	WDR74	337	390	5.37289342405
NM_018093	WDR74	928	973	5.95785593232
NM_018093	WDR74	178	246	4.3728934316
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NM_139265	EHD4	1146	1196	10.4447242858
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NM_000775	CYP2J2	900	990	7.15122796538
NM_000775	CYP2J2	795	861	7.15122820129
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NM_000775	CYP2J2	87	134	6.14721060112
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NM_018098	ECT2	2170	2205	7.38192181981
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NM_018098	ECT2	3942	3999	5.79294844997
NM_018098	ECT2	2310	2355	6.79294844997
NM_018098	ECT2	3265	3347	8.11889414503
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NM_018098	ECT2	1544	1609	6.79695931909
NM_018098	ECT2	1317	1371	5.79679229983
NM_018098	ECT2	1831	1888	7.38192855087
NM_018098	ECT2	212	322	7.79696605015
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NM_018098	ECT2	821	1076	9.11889414503
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NM_139266	STAT1	671	748	5.80509626132
NM_139266	STAT1	1390	1461	7.12702435621
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NM_001761	CCNF	209	297	8.78161131642
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NM_001762	CCT6A	2402	2517	4.69203993174
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NM_004227	CYTH3	142	245	7.24075499447	
NM_022494	ZDHHC6	1896	1977	7.86481994612	
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NM_022495	C14orf135		1979	2024	8.11139949572
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NM_022496	ACTR6	1896	1947	5.95085202185	
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NM_022497	MRPS25	1819	1889	6.05965249982
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NM_022491	SUDS3	4092	4168	2.93751477677
NM_014206	C11orf10		99	137 7.35761273888
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NM_001161009	ARMC10	532	580	9.25502406229
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NM_025204	TRABD	189	269	6.21462943864
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NM_001107	ACYP1	486	557	7.10221138108
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NM_016143	NSFL1C	1871	1938	4.93067712678
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NM_016145	C19orf56		318	394	8.66764272095
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NM_016147	PPME1	629	776	5.94066121535	
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NM_016146	TRAPPC4	835	893	7.22632531285	
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NM_004568	SERPINB6		1387	1448	4.85498729288
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NM_017814	TMEM161A		509	567	11.1060261778
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NM_017816	LYAR	1383	1497	6.42760567264	
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NM_017811	UBE2R2	601	653	4.59006423271	

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NM_017812	CHCHD3	220	300	6.72378597638
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NM_017813	IMPAD1	1254	1300	5.86312337783
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NM_017818	WRAP73	1618	1677	7.9571517229
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NM_017819	RG9MTD1	344	383	5.92752919042
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NM_015948	SLC35B3	710	757	9.13378546225
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NM_015949	GET4	1736	1800	6.2087597204
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NM_016494	RNF181	438	494	2.69892665075
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NM_016360	TAC01	944	982	2.93476002538
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NM_016491	MRPL37	737	847	7.40485590669
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NM_015941	ATP6V1H	1987	2033	3.7344376272
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NM_015942	MTERFD1	216	301	7.92832360874	
NM_015944	AMDHD2	1026	1062	7.00665233675	
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NM_015946	PELO	175	227	5.94138492264	
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NM_016498	MTFP1	623	670	8.60293719408	
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NM_138425	C12orf57		179	209	5.1004283779
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NM_005907	MAN1A1	3657	3711	3.74105950562
NM_005907	MAN1A1	548	699	6.24356008207
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NM_005907	MAN1A1	4577	4688	4.4780253357
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NM_005907	MAN1A1	3750	3942	5.4780253357
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NM_005907	MAN1A1	3369	3540	4.96345216287
NM_005907	MAN1A1	6	288	6.06298783642
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NM_005907	MAN1A1	776	1133	6.79995343059
NM_005908	MANBA	1880	1925	5.86456916603
NM_005908	MANBA	1972	2041	6.53367087592
NM_005908	MANBA	2998	3038	5.94469077524
NM_005908	MANBA	2348	2394	6.94870837542
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NM_005908	MANBA	1681	1787	8.11863337686
NM_005908	MANBA	1520	1591	7.2706364703
NM_005908	MANBA	2270	2338	6.53367087614
NM_005908	MANBA	624	696	4.9487081395
NM_005908	MANBA	1616	1665	4.9485346251
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NM_005908	MANBA	2531	2577	4.94469077524
NM_005908	MANBA	485	553	4.94870837541
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NM_152426	APOBEC3D	150	250	10.6955487175
NM_152420	C9orf41	1964	2006	7.02000372554
NM_032486	DCTN5	3092	3174	5.598721369
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NM_032486	DCTN5	995	1108	5.59872136145
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NM_032486	DCTN5	3266	3326	6.18368386217
NM_032486	DCTN5	843	926	5.598721369
NM_032486	DCTN5	288	387	7.76864637044
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NM_032485	MCM8	1096	1147	4.98966932414
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NM_032485	MCM8	717	773	6.57847567471
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NM_032482	DOT1L	1450	1535	6.85213152744
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NM_032482	DOT1L	478	526	7.43709402061
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NM_032482	DOT1L	5316	5429	6.85213151989
NM_032482	DOT1L	6839	6888	6.84811392727
NM_032482	DOT1L	1821	1953	7.43709402061
NM_032482	DOT1L	4922	4986	7.43708729711
NM_032482	DOT1L	1955	2027	5.85213152744
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NM_032482	DOT1L	2255	2329	5.85212479639
NM_032483	PPAPDC1B	125	204	9.63754311386
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NM_001081676	SCN3A	3055	3152	14.1306287564	
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NM_005471	GNPDA1	2003	2060	9.25500525236	
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NM_031284	ADPGK	1455	1579	9.71096140601	
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NM_031284	ADPGK	117	218	8.29592390673	
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NM_031287	SF3B5	536	575	8.80104183881	
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NM_031286	SH3BGRL3		639	690	8.11955123102
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NM_031280	MRPS15	760	809	3.47902083743	
NM_031280	MRPS15	703	759	3.48303170655	
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NM_031283	TCF7L1	2227	2269	11.88687152	
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NM_032730	RTN4IP1	1201	1281	8.56228673394
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NM_001159596	BIVM	2996	3029	5.90052882195
NM_001159596	BIVM	2013	2055	6.90453969107
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NM_183373	C6orf145		1245	1300 4.71586510005
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NM_183372	NBPF11	2882	2936	8.40124885263
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NM_001039366	ATP6V1E1		642	681 5.05208419193
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NM_001006619	MAPKAP1	815	905	6.55146575113
NM_001006619	MAPKAP1	1561	1632	7.87339384602
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NM_001111019	NAV2	4266	4311	6.20062409362
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NM_015436	RCHY1	737	804	4.61064394959
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NM_001204832	ANO10	1435	1500	9.56165202525
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NM_015127	CLCC1	447	490	7.99710185443
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NM_015124	GRAMD4	2621	2676	7.05009369672
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NM_015125	CIC	4061	4119	7.32040604075
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NM_003262	SEC62	1451	1498	5.1314930033	
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NM_003618	MAP4K3	583	672	6.72789078396
NM_181836	TMED7	2710	2760	6.47483886046
NM_181836	TMED7	571	673	9.17527881452
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NM_181836	TMED7	2939	2975	5.39069988699
NM_181836	TMED7	3708	3757	7.05578399692
NM_181836	TMED7	3486	3584	8.28219401843
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NM_181836	TMED7	2042	2127	8.0598015971
NM_181836	TMED7	449	571	8.79676719126
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NM_181836	TMED7	142	316	8.0598015971
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NM_052905	FMNL2	2515	2586	5.0521327093
NM_052905	FMNL2	5073	5118	3.96799349992
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NM_052905	FMNL2	1391	1453	4.05212597825
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NM_052905	FMNL2	1102	1160	3.05195895898
NM_052905	FMNL2	1232	1309	4.0521327093
NM_052905	FMNL2	3633	3692	4.63709521002
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NM_176806	MOCS2	1065	1153	7.3445120415
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NM_052901	SLC25A25		2340	2375 4.32581924365
NM_052901	SLC25A25		1444	1495 4.32983683627
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NM_003615	SLC4A7	5631	5671	5.69427209509
NM_003615	SLC4A7	428	510	6.69828968771
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NM_170606	MLL3	16494	16586	8.52760138284
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NM_181762	UBE2A	687	757	9.16455871533
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NM_001379	DNMT1	2779	2822	6.75066857398
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NM_001379	DNMT1	5196	5308	7.16570630918
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NM_001376	DYNC1H1	5046	5107	7.47791372972
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NM_001375	DNASE2	214	244	9.92814179844
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NM_001375	DNASE2	590	668	9.93215939861
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NM_022065	THADA	3807	3861	9.40406228442
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NM_022066	UBE20	1981	2051	6.02615977008
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NM_001129995	KCTD15	3280	3330	9.02224492768
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NM_021267	CERS1	566	657	12.4025555233
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NM_012479	YWHAG	956	1032	3.83692062884
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NM_012470	TNP03	1508	1611	5.86790813944
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NM_012473	TXN2	593	653	4.302767104
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NM_012475	USP21	648	728	7.78480510809

NM_012474	UCK2	883	955	7.94707706603
NM_012474	UCK2	4506	4546	6.72451089437
NM_012474	UCK2	2615	2660	6.13954839365
NM_012474	UCK2	1435	1511	7.46165023886
NM_012474	UCK2	1000	1069	5.13972213642
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NM_012474	UCK2	2055	2130	6.72451089437
NM_012474	UCK2	1855	1918	5.1357045438
NM_012474	UCK2	4294	4346	7.13971541292
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NM_012474	UCK2	562	714	8.13972214397
NM_012474	UCK2	1952	2047	6.1357045438
NM_012474	UCK2	1174	1357	8.30964714541
NM_012477	WBP1	326	397	8.51267027129
NM_006207	PDGFRL	1526	1631	9.43151900634
NM_006207	PDGFRL	1472	1517	7.42750140617
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NM_001001701	C4orf3	600	665	3.18795226332
NM_001001701	C4orf3	231	296	1.18794553227
NM_001001701	C4orf3	687	763	2.77291476383
NM_001001701	C4orf3	2094	2186	1.18795226333
NM_001001701	C4orf3	392	596	5.43587977677
NM_207121	FAM110A	1357	1451	9.08603076942
NM_182565	FAM100B	893	946	8.09459929911
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NM_182565	FAM100B	1079	1130	7.0947730492
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NM_015104	ATG2A	592	648	9.64447499193
NM_015104	ATG2A	1262	1289	8.97538001287
NM_015104	ATG2A	1423	1495	9.64448172297
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NM_015104	ATG2A	2464	2548	8.05951921471
NM_015104	ATG2A	1816	1882	8.05934547194
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NM_018310	BRF2	719	785	7.59130304283
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NM_015541	LRIG1	1950	1997	6.91852341144
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NM_001199058	C15orf38-AP3S2	1064	1099	7.86836427985
NM_001199058	C15orf38-AP3S2	1144	1218	7.95250348923
NM_001199058	C15orf38-AP3S2	923	1040	8.53746575404
NM_001195250	APTX	643	738	7.09705702874
NM_001195250	APTX	762	868	7.5962337374
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NM_001199056	C16orf5	1774	1830	10.1192659649	
NM_001199056	C16orf5	455	520	11.3416583938	
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NM_001199056	C16orf5	1622	1771	10.1192659725	
NM_000421	KRT10	1953	1995	10.2291613707	
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NM_006819	STIP1	1181	1254	4.18718069399	
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NM_006819	STIP1	1547	1644	4.77214319494	
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NM_006819	STIP1	803	1042	5.5091087891	
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NM_015878	AZIN1	828	888	5.12254076115	
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NM_000356	TCOF1	4715	4801	6.04808604344	
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NM_000429	MAT1A	1270	1319	6.30807506762	
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NM_000428	LTBP2	5431	5475	12.9314716577	

NM_000428	LTBP2	1056	1106	11.3426653072
NM_000428	LTBP2	7135	7193	12.3466829073
NM_000428	LTBP2	3390	3449	13.9316454081
NM_000428	LTBP2	3468	3544	11.3426653072
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NM_000428	LTBP2	1267	1339	12.3466826714
NM_000428	LTBP2	2352	2407	11.346509157
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NM_000428	LTBP2	5984	6048	12.3426653072
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NM_000428	LTBP2	6677	6711	12.262543698
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NM_000428	LTBP2	4267	4308	11.3466826714
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NM_000428	LTBP2	5650	5784	14.1540378294
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NM_000428	LTBP2	5221	5303	11.3466828998
NM_000428	LTBP2	4733	4838	12.3466829073
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NM_000428	LTBP2	2919	3010	12.3466829073
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NM_006810	PDIA5	1740	1823	4.78219483709
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NM_006810	PDIA5	378	423	5.36313973786
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NM_006810	PDIA5	1434	1535	6.78219483732
NM_006810	PDIA5	971	1099	6.78219483732
NM_006810	PDIA5	547	680	6.1041229322
NM_006810	PDIA5	201	339	6.1041229322
NM_000358	TGFBI	2334	2378	4.78892387926
NM_000358	TGFBI	464	560	6.16743550251
NM_000358	TGFBI	103	235	6.16743550251
NM_000358	TGFBI	850	998	6.63692078581
NM_000358	TGFBI	1970	2329	7.89326053907
NM_000358	TGFBI	2386	2791	7.78892387926
NM_000358	TGFBI	998	1220	6.92642740301
NM_000358	TGFBI	618	835	7.3249767795
NM_000358	TGFBI	267	462	6.63692078581
NM_000358	TGFBI	1238	1960	8.89326053907
NM_006816	LMAN2	1566	1609	5.06860018671
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NM_006816	LMAN2	1340	1412	5.3905282816

NM_006816	LMAN2	1639	1759	6.06860018672
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NM_006816	LMAN2	324	1058	9.09096799975
NM_001161619	DUS3L	488	597	7.31595127255
NM_006814	PSMF1	930	1014	3.9478911373
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NM_006814	PSMF1	427	614	6.9478911373
NM_006815	TMED2	1503	1561	3.13340302715
NM_006815	TMED2	1053	1116	3.81147493227
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NM_006815	TMED2	1646	1879	5.71836552787
NM_006815	TMED2	609	858	5.66945592739
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NM_003334	UBA1	792	848	8.42071437008
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NM_003334	UBA1	1480	1525	7.00165927063
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NM_006215	SERPINA4		237	307 5.94209157013
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NM_182905	WASH1	880	941	5.02515647758
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NM_182905	WASH1	1553	1683	7.02515647758
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NM_153638	PANK2	1216	1289	6.39581288474
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NM_006744	RBP4	43	921	6.53739364459
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NM_006749	SLC20A2	857	928	8.96967798737
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NM_006219	PIK3CB	602	672	7.07577463647
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NM_153634	CPNE8	2696	2744	10.0194586344
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NM_020131	UBQLN4	2884	2989	8.18141965582
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NM_004523	KIF11	2572	2744	8.26489478875
NM_004523	KIF11	2988	3189	7.94296669386
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NM_004524	LLGL2	1123	1185	6.64863611472
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NM_004526	MCM2	1074	1135	7.92937830561
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NM_004526	MCM2	137	245	5.34441580489
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NM_004526	MCM2	3356	3469	8.51434080633
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NM_004526	MCM2	763	923	7.66634389978
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NM_004526	MCM2	572	763	7.66634389978
NM_004526	MCM2	1274	1631	9.59234331833
NM_032890	DISP1	1303	1365	10.2596690283
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NM_020139	BDH2	487	582	7.21108520212
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NM_138462	ZMYND19	484	548	5.27793242613
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NM_014856	DENND4B	2499	2566	9.53265540866
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NM_022044	SDF2L1	488	560	10.5392132033
NM_022044	SDF2L1	381	470	8.95425070256
NM_022044	SDF2L1	167	221	9.95425070256
NM_022044	SDF2L1	562	612	9.9542439715
NM_022044	SDF2L1	112	164	9.53921296736
NM_022044	SDF2L1	702	769	9.53921320328
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NM_183323	PAIP1	768	889	5.72669251408
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NM_183323	PAIP1	1473	1521	4.72267491391
NM_183323	PAIP1	902	968	4.72669250653
NM_183323	PAIP1	1341	1410	4.1417232823
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NM_183323	PAIP1	536	686	6.46365810824
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NM_021244	RRAGD	1085	1156	12.3318165779
NM_021244	RRAGD	366	415	10.742843208
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NM_021244	RRAGD	2108	2169	11.7468540772
NM_021241	WIZ	1163	1220	10.013239018
NM_021241	WIZ	2619	2690	10.0973782273
NM_021241	WIZ	1807	1896	9.51241572663
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NM_003731	SSNA1	380	443	6.91601658416
NM_003731	SSNA1	256	364	6.5009793208
NM_012100	DNPEP	934	996	7.51663014937
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NM_012100	DNPEP	695	717	5.5126125492
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NM_199290	NACA2	284	340	0.586474752881
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NM_199290	NACA2	192	252	0.5864749888
NM_199290	NACA2	567	669	1.5864749888
NM_199297	THYN1	651	723	4.5823968853
NM_012104	BACE1	2211	2293	8.81484764567
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NM_012104	BACE1	2944	3005	7.225867545
NM_012104	BACE1	2827	2890	8.225867545
NM_012459	TIMM8B	232	313	5.87265018154
NM_012106	ARL2BP	1328	1398	5.85678576817
NM_012106	ARL2BP	264	351	6.5939251051
NM_012106	ARL2BP	565	702	7.27199701776
NM_012456	TIMM10	352	414	4.58413452711
NM_012455	PSD4	3638	3733	8.51152698247
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NM_012453	TBL2	521	608	7.95268690654
NM_012453	TBL2	308	398	6.95251315622
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NM_012453	TBL2	2185	2291	7.53764940704
NM_012453	TBL2	410	518	8.53764940726
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NM_006247	PPP5C	1580	1622	5.17871158156
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NM_006247	PPP5C	1143	1255	6.76366735145
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NM_006246	PPP2R5E	2238	2288	6.35032354654
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NM_006246	PPP2R5E	2419	2490	6.35033004168

NM_003365	UQCRC1	444	489	4.1756726302	
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NM_174908	CCDC50	683	743	2.86616300305	
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NM_174909	TMEM167A		429	519	5.89916010204
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NM_182547	TMED4	323	412	8.4120072367	
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NM_001005619	ITGB4	2293	2343	11.011853657
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NM_006793	PRDX3	419	457	4.11946115525
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NM_001979	EPHX2	1673	1784	7.48170569127
NM_004090	DUSP3	1929	1996	5.4672481434
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NM_004094	EIF2S1	1219	1315	2.76020656436
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NM_004096	EIF4EBP2		1846	1891	3.22540857641
NM_004096	EIF4EBP2		1766	1823	1.64044608324
NM_004096	EIF4EBP2		1133	1179	3.63642848307
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NM_004096	EIF4EBP2		5383	5425	1.55630687386
NM_004096	EIF4EBP2		6219	6309	2.64044608324
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NM_004096	EIF4EBP2		1300	1363	1.64044607569
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NM_004096	EIF4EBP2		1681	1726	2.63642848307
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NM_004096	EIF4EBP2		1366	1487	3.22540857641
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NM_004099	STOM	126	180	3.71416036907	
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NM_004728	DDX21	2315	2404	1.89080051585	
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NM_004728	DDX21	3538	3616	4.21272861074
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NM_004728	DDX21	556	610	2.88678291568
NM_004728	DDX21	2835	2899	1.89062676553
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NM_001173468	PDHB	504	567	3.21374009204

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NM_020158	EXOSC5	554	627	8.35670843635
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NM_006830	UQCR11	684	716	3.43451310163
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NM_006831	CLP1	1051	1085	8.43784741425
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NM_000405	GM2A	264	375	9.00997798722
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NM_006833	COPS6	608	657	3.71971490862
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NM_006834	RAB32	257	298	7.78462215402
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NM_006836	GCN1L1	7195	7238	5.53655925766
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NM_006837	COPS5	1240	1311	5.30396135718
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NM_004454	ETV5	331	375	6.77089451437
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NM_014283	C1orf9	1611	1653	7.24393668967
NM_014283	C1orf9	174	235	7.23992582055
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NM_014283	C1orf9	3298	3338	6.65496331983
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NM_014283	C1orf9	3541	3628	5.65898092
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NM_014283	C1orf9	1860	1995	7.98090901489
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NM_014283	C1orf9	444	531	7.24393668967
NM_014283	C1orf9	2947	3039	6.65898092
NM_014283	C1orf9	4625	4754	7.24394342073
NM_014283	C1orf9	656	708	7.24393668967
NM_014283	C1orf9	5144	5244	6.65898092
NM_014283	C1orf9	749	887	7.98090901489
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NM_004894	C14orf2	283	377	7.87197775318
NM_004894	C14orf2	36	99	7.02398084662
NM_004894	C14orf2	395	438	6.28701525246
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NM_004894	C14orf2	151	244	6.28701525246
NM_004896	VPS26A	382	478	5.3649873997
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NM_004896	VPS26A	511	570	4.04305930482
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NM_001975	EN02	485	537	5.49496022175
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NM_020117	LARS	3803	3873	6.23428532496
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NM_004549	NDUFC2	403	453	7.23089015743
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NM_198476	C19orf54		1381	1432	10.2521352804
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NM_002940	ABCE1	579	646	5.77146781112
NM_002940	ABCE1	1867	1948	7.3564370429
NM_002940	ABCE1	981	1034	6.35643704289
NM_002940	ABCE1	313	426	7.09340263706
NM_002940	ABCE1	2314	2408	6.3564370429
NM_002940	ABCE1	1526	1591	6.77147453463
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NM_002940	ABCE1	1613	1683	5.77147454217
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NM_002940	ABCE1	3285	3380	6.77147454217
NM_002940	ABCE1	1196	1320	8.3564370429
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NM_182760	SUMF1	903	992	9.49806285428
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NM_032307	C9orf64	1310	1359	5.50553568518
NM_032307	C9orf64	884	932	5.5095465543
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NM_032307	C9orf64	933	1023	6.5095532778
NM_032307	C9orf64	596	676	7.5095532778
NM_001166306	TMEM44	1650	1726	9.27295386706
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NM_001166306	TMEM44	483	576	10.2729538671
NM_001166306	TMEM44	228	274	9.27278011674
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NM_178558	ZNF680	2726	2791	8.20964719254
NM_138802	ZFAND2B	531	596	4.87900979637
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NM_138802	ZFAND2B	327	406	4.87883604627
NM_001114618	MGAT1	1748	1816	8.55464854075
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NM_001114618	MGAT1	2063	2134	8.13961104147
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NM_001114618	MGAT1	1630	1721	8.13961104147
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NM_001114618	MGAT1	2237	2295	7.55464830483
NM_001114618	MGAT1	757	849	8.13961104147
NM_001114618	MGAT1	1854	1948	8.13961104147
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NM_001114618	MGAT1	501	625	8.13961104147
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NM_002763	PROX1	3098	3152	4.79509530433
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NM_002763	PROX1	6226	6275	6.46419700689
NM_002763	PROX1	7364	7428	6.46419701443
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NM_002763	PROX1	316	403	4.87923451372
NM_002763	PROX1	6048	6115	5.8792342778
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NM_002763	PROX1	5883	5944	5.87521691354
NM_002763	PROX1	4654	4747	5.87922778266
NM_002763	PROX1	2759	2894	6.46419701444
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NM_002763	PROX1	7764	7868	4.87923450617
NM_002763	PROX1	2213	2302	5.87923451372
NM_002763	PROX1	1967	2037	5.8792342778
NM_002763	PROX1	1177	1251	4.87923451372
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NM_006423	RABAC1	583	641	9.22213540965

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NM_014623	MEA1	646	695	3.02829348651
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NM_014624	S100A6	259	303	4.30542168419
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NM_014628	MAD2L1BP		523	554 7.65380203829
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NM_014629	ARHGEF10		2936	2990 13.4896173959
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NM_003713	PPAP2B	1774	1844	6.3398943126
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NM_003713	PPAP2B	2537	2574	6.92101296347
NM_003713	PPAP2B	265	350	8.34006806292
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NM_003713	PPAP2B	1145	1180	7.33605046275
NM_003713	PPAP2B	1043	1125	8.66199615781
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NM_003713	PPAP2B	1510	1618	6.92503056364
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NM_003714	STC2	1469	1528	6.79786759102
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NM_003714	STC2	1530	1578	6.20888749768
NM_003714	STC2	3674	3717	5.12876588847
NM_003714	STC2	1794	1860	6.21290509785
NM_003714	STC2	4558	4677	6.21290509785
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NM_003715	US01	962	1021	4.62851021338
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NM_001145442	POTEM	2316	2371	14.4834962971
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NM_001145442	POTEM	2130	2181	14.2611038758
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NM_001145442	POTEM	2788	2867	13.6761413751
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NM_181657	LTB4R	485	565	10.8257979455
NM_001145440	TYW1B	586	640	9.50592340005
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NM_018502	TMC06	1616	1688	7.95651511137
NM_001145444	SCAF4	700	759	7.26882984118
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NM_001145444	SCAF4	959	1025	6.67984974029
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NM_018509	LRR59	236	347	5.34790455716
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NM_014999	RAB21	585	644	4.1731670645
NM_014999	RAB21	32	123	5.39957708601
NM_014999	RAB21	383	429	2.58820456378
NM_014999	RAB21	1318	1359	2.59222215641
NM_014991	WDFY3	9439	9488	7.85218519354
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NM_014997	KLHDC10	2572	2663	7.64274481435
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NM_014444	TUBGCP4	3404	3472	6.73431969006
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NM_014445	SERP1	1949	1999	3.15547821711
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NM_014445	SERP1	256	341	4.74445158695
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NM_005717	ARPC5	1278	1342	5.55777069535
NM_005717	ARPC5	1409	1489	5.33537827401
NM_005717	ARPC5	1672	1720	2.74639817312
NM_005717	ARPC5	550	657	6.55777069535
NM_005717	ARPC5	1151	1234	4.33537826646
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NM_152362	TNFAIP8L1		3450	3517	8.77045352653
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NM_080491	GAB2	3780	3849	8.31722640373	
NM_152367	MAB21L3	3169	3226	11.6031024688	
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NM_014448	ARHGEF16		2421	2463	7.98931441364
NM_014448	ARHGEF16		244	296	6.40836278203
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NM_001168301	KLHL13	868	918	11.3062946752	
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NM_001168301	KLHL13	273	333	12.3022838061	
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NM_001162384	ARHGEF2	702	786	8.24854517778	
NM_001162384	ARHGEF2	3112	3186	6.92661684698	
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NM_032788	ZNF514	2621	2658	7.99975658611	
NM_022458	LMBR1	3686	3733	7.1137601202	
NM_022458	LMBR1	1541	1587	8.78286159438	
NM_022458	LMBR1	566	596	8.69872262092	
NM_022458	LMBR1	472	529	8.19789932936	
NM_022458	LMBR1	2771	2835	8.19789259853	
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NM_022458	LMBR1	1841	1902	8.19388172941	
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NM_022458	LMBR1	2998	3052	8.19388172941
NM_022458	LMBR1	2226	2291	9.19789932958
NM_022458	LMBR1	1348	1539	10.367824331
NM_022458	LMBR1	820	963	9.7828618303
NM_022458	LMBR1	970	1046	7.19789932203
NM_022458	LMBR1	352	463	8.19789932958
NM_022458	LMBR1	1713	1808	9.19789932958
NM_022458	LMBR1	1624	1698	8.7828618303
NM_022458	LMBR1	1212	1332	10.367824331
NM_022458	LMBR1	603	699	10.0052542516
NM_022459	XP04	4454	4543	8.98864976207
NM_004237	TRIP13	1016	1097	9.38378310717
NM_004237	TRIP13	2003	2088	7.7988205989
NM_022450	RHBDF1	2322	2388	9.56848871368
NM_022450	RHBDF1	2511	2562	10.5684887135
NM_022450	RHBDF1	2390	2464	11.8904168086
NM_022450	RHBDF1	2098	2132	9.48434950429
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NM_022450	RHBDF1	2602	2671	11.1534512144
NM_022450	RHBDF1	2793	2969	11.5684887137
NM_022453	RNF25	873	921	7.98683245846
NM_001163922	VSIG10L	136	157	12.1206160296
NM_004231	ATP6V1F	388	443	5.03385331036
NM_004231	ATP6V1F	123	218	7.03385331037
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NM_020223	FAM20C	498	561	6.35347320462
NM_020223	FAM20C	2650	2686	7.34945560444
NM_020223	FAM20C	277	334	6.34945560444
NM_020223	FAM20C	1032	1095	6.35346647356
NM_001008390	CGGBP1	2045	2100	6.45628927374
NM_001008390	CGGBP1	234	390	6.46030687391
NM_001008395	C7orf59	497	537	4.09071747353
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NM_001008395	C7orf59	41	97	5.17484995186
NM_001008395	C7orf59	128	212	5.17485668292
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NM_017799	C14orf101		569	605 9.21037057962
NM_017799	C14orf101		876	940 9.29049218883
NM_017799	C14orf101		653	689 10.8754546896
NM_017799	C14orf101		706	809 10.294509789
NM_017799	C14orf101		1676	1747 10.8794655587
NM_017799	C14orf101		1225	1320 11.294509789
NM_017799	C14orf101		963	1114 11.294509789
NM_019108	SMG9	1266	1344	10.3522288617
NM_019108	SMG9	925	983	9.93719135492
NM_019108	SMG9	83	133	9.35205511143
NM_019108	SMG9	2293	2337	8.3522288542

NM_019108	SMG9	1520	1663	10.9371913625
NM_019108	SMG9	1830	1881	9.34821126157
NM_019108	SMG9	1027	1229	11.3522288617
NM_019109	ALG1	1109	1169	7.62017551072
NM_019109	ALG1	1751	1811	7.11917846907
NM_019109	ALG1	1050	1106	7.11533461921
NM_019109	ALG1	1847	1894	6.11935221917
NM_019109	ALG1	1394	1450	7.11935221939
NM_019109	ALG1	1169	1380	10.2892772208
NM_019109	ALG1	52	122	7.11917846907
NM_019109	ALG1	3254	3288	6.11917846907
NM_019109	ALG1	1557	1748	9.92670714145
NM_019109	ALG1	576	1036	11.0735485298
NM_019109	ALG1	202	547	10.7632084092
NM_020964	EPG5	2522	2591	10.4396071363
NM_020961	METTLL14	912	945	4.70850264213
NM_020961	METTLL14	972	1040	6.37358675206
NM_019101	APOM	334	415	4.28525843144
NM_019107	C19orf10		908	1018 7.95581668906
NM_019107	C19orf10		799	881 8.06273189298
NM_019107	C19orf10		381	788 9.6476943937
NM_019107	C19orf10		178	362 7.84033947164
NM_019107	C19orf10		75	127 4.2552032206
NM_016108	AIG1	173	220	5.67350970971
NM_016108	AIG1	81	152	6.67350970971
NM_016108	AIG1	506	611	6.2624898106
NM_016108	AIG1	223	499	9.2624898106
NM_016108	AIG1	675	781	6.67752730988
NM_016107	ZFR	1188	1269	5.20737965069
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NM_016107	ZFR	3229	3300	5.79234215141
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NM_016107	ZFR	2569	2659	5.79234215141
NM_016107	ZFR	1352	1450	6.79234215141
NM_016107	ZFR	1472	1524	5.79234215141
NM_016107	ZFR	2742	2799	6.79234215141
NM_016107	ZFR	737	782	4.20737965069
NM_016107	ZFR	1850	1909	4.20737941477
NM_016107	ZFR	3594	3739	6.52930774558
NM_016107	ZFR	2817	2946	7.79234215141
NM_016107	ZFR	2189	2275	5.79234215141
NM_016107	ZFR	3845	3973	6.20737965069
NM_016107	ZFR	2305	2548	7.52930774558
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NM_016107	ZFR	42	145	6.20737965069
NM_016107	ZFR	2962	3091	6.79234215141
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NM_001143842	TMEM106C		1449	1551 7.29763897528
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NM_016100	NAA20	392	455		4.97686675225
NM_016100	NAA20	634	687		4.3077650497
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NM_016103	SAR1B	947	988		6.64734530671
NM_016103	SAR1B	740	796		6.64734529917
NM_016103	SAR1B	2743	2807		5.06237607494
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NM_016103	SAR1B	256	395		8.64734530671
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NM_021648	TSPYL4	1483	1547		9.42717635205
NM_001033025	EXTL2	1291	1347		7.84132747281
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NM_001033024	FBX07	1318	1382		4.15922486319
NM_001033024	FBX07	623	681		6.48115295808
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NM_001033024	FBX07	1045	1099		5.74418712799
NM_001033024	FBX07	397	472		5.74418736391
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NM_001033024	FBX07	266	336		5.15921813214
NM_001033024	FBX07	1433	1573		7.85966458133
NM_001033024	FBX07	828	1004		7.96657978525
NM_001033024	FBX07	169	254		5.15921813214
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NM_015711	GLTSCR1	327	383		11.7499405193
NM_015710	GLTSCR2	348	396		5.7866265296
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NM_015710	GLTSCR2	758	798		5.86674813881
NM_015710	GLTSCR2	578	667		5.87076573898
NM_015710	GLTSCR2	260	333		6.45572823215
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NM_015713	RRM2B	1090	1149		6.63583476408
NM_001159643	MCTP2	2197	2244		8.45445220001
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NM_022841	RFX7	6295	6343		7.27509505977
NM_022841	RFX7	3106	3177		8.27893890962
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NM_015716	MINK1	3077	3117	5.19607047368	
NM_015716	MINK1	3366	3460	6.86517218378	
NM_015716	MINK1	4426	4502	5.28020968306	
NM_015716	MINK1	534	601	6.86517217623	
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NM_015716	MINK1	4085	4147	6.27619208289	
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NM_001040162	C16orf13		409	473	8.35986788421
NM_001040162	C16orf13		227	283	8.35970086494
NM_138393	REEP6	87	157	6.51390456859	
NM_138393	REEP6	499	625	7.2508701703	
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NM_138392	SHKBP1	1207	1247	6.98860184718	
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NM_138392	SHKBP1	543	598	7.98860184718	
NM_138392	SHKBP1	2012	2049	6.90848023797	
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NM_138392	SHKBP1	890	995	8.57758194807	
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NM_138391	TMEM183A		644	693	6.12896028842
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NM_138395	MARS2	365	400	8.42261729716	
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NM_198216	SNRPB	875	987	2.75122848564	
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NM_181553	CMTM3	1700	1769	6.60368738597	
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NM_181553	CMTM3	364	468	5.01872512117	
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NM_000099	CST3	671	741	2.09732698864	
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NM_000096	CP	3601	3669	2.08589837545
NM_000096	CP	3518	3601	1.08589837545
NM_000096	CP	3732	3777	1.08589813953
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NM_000096	CP	3669	3732	2.08572462513
NM_000096	CP	3439	3477	2.00175916606
NM_000096	CP	3014	3102	4.54532999409
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NM_000096	CP	3920	4017	2.0858983679
NM_000096	CP	447	566	4.25582337689
NM_000096	CP	2154	2286	4.67086087617
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NM_000096	CP	2288	2533	4.78633809359
NM_000096	CP	1782	2152	6.29535174108
NM_000096	CP	3127	3256	4.54532999409
NM_000096	CP	237	442	5.54532999409
NM_000097	CPOX	869	930	5.4729888063
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NM_000097	CPOX	44	86	4.55712777977
NM_000097	CPOX	1107	1213	6.55712801569
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NM_000097	CPOX	751	837	6.87905610302
NM_015904	EIF5B	4141	4193	3.68133572331
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NM_015905	TRIM24	2804	2875	6.17575948779
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NM_015905	TRIM24	1116	1177	4.17575275674
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NM_015905	TRIM24	1751	1814	5.09162027841

NM_015905	TRIM24	365	417	4.17174188762
NM_015905	TRIM24	2203	2255	5.17575275674
NM_015905	TRIM24	2067	2131	6.98311440985
NM_015905	TRIM24	3462	3512	4.17174188762
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NM_015905	TRIM24	1422	1523	4.17575948757
NM_015905	TRIM24	1988	2066	5.76072198851
NM_015905	TRIM24	425	459	4.17174188762
NM_015905	TRIM24	2594	2728	6.17575948779
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NM_015906	TRIM33	3130	3205	7.79347062349
NM_015906	TRIM33	641	677	7.05248766507
NM_015906	TRIM33	8189	8242	7.46752516435
NM_015906	TRIM33	8018	8101	6.38740355513
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NM_015906	TRIM33	2831	2949	7.05650525769
NM_015906	TRIM33	751	819	7.05650526524
NM_015907	LAP3	1041	1089	3.84954464809
NM_015907	LAP3	990	1040	3.76540543893
NM_015907	LAP3	555	605	3.26458214758
NM_015907	LAP3	1474	1517	2.26056454742
NM_015907	LAP3	321	410	4.58651024248
NM_015907	LAP3	249	291	3.76540543893
NM_015907	LAP3	860	953	4.26458214759
NM_015907	LAP3	1107	1188	4.58651024248
NM_015907	LAP3	1790	1874	4.26440839727
NM_015907	LAP3	1241	1470	5.07193706965
NM_015907	LAP3	647	782	5.26458214759
NM_015902	UBR5	6165	6222	4.23108937939
NM_015902	UBR5	4034	4099	6.63698293334
NM_015902	UBR5	9278	9320	4.23108937939
NM_015902	UBR5	1277	1331	5.31522185772
NM_015902	UBR5	2503	2557	6.31522858877
NM_015902	UBR5	5442	5486	4.3112109886
NM_015902	UBR5	8760	8809	5.23108937939
NM_015902	UBR5	4883	4938	5.23108937939
NM_015902	UBR5	9146	9185	5.90018435844
NM_015902	UBR5	3979	4021	4.23108937939
NM_015902	UBR5	2685	2753	5.90019108949
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NM_015902	UBR5	478	541	5.23108937939
NM_015902	UBR5	4445	4472	4.23108937939
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NM_015902	UBR5	4172	4209	6.31505483845
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NM_015902	UBR5	3080	3175	5.31522858877
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NM_015902	UBR5	8034	8096	6.31522185772
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NM_015902	UBR5	1564	1625	4.23108937939
NM_015902	UBR5	7901	7958	5.23108937939
NM_015902	UBR5	6403	6557	6.31522858877
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NM_021183	RAP2C	2305	2345	4.04767492757
NM_021183	RAP2C	2231	2289	5.05169229182
NM_021183	RAP2C	3674	3761	4.05169252019
NM_021183	RAP2C	1824	1877	5.04767492757
NM_021183	RAP2C	1236	1327	6.05169252774
NM_021183	RAP2C	901	984	4.05169252752
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NM_018462	BRK1	559	629	5.45141718454
NM_018462	BRK1	53	111	5.45141718454
NM_018462	BRK1	267	311	4.44739958438
NM_018462	BRK1	820	873	5.44739958438
NM_018462	BRK1	382	437	5.95224047589
NM_018462	BRK1	443	499	6.03637967772
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NM_021184	C6orf47	132	193	8.80104161044
NM_001130440	SRP9	1099	1168	6.08210578461
NM_001130440	SRP9	722	844	5.34514019044
NM_001130440	SRP9	1550	1590	5.34513345939
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NM_001130440	SRP9	1181	1354	7.84764053097
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NM_001130447	HAUS2	267	327	6.43195940011
NM_001130447	HAUS2	501	543	6.42794203586
NM_001130447	HAUS2	2629	2691	5.43178588571
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NM_001130447	HAUS2	2440	2483	6.42794203586
NM_001130447	HAUS2	129	198	6.43195940011
NM_001130445	SSFA2	5189	5257	4.1225285912
NM_001130445	SSFA2	3100	3171	5.70749085623
NM_001130445	SSFA2	4126	4178	5.12235484111
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NM_001130445	SSFA2	4210	4261	6.12252859142
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NM_001130445	SSFA2	4753	4802	5.70748436109
NM_001130445	SSFA2	875	952	5.70749109215
NM_001130445	SSFA2	1557	1618	5.1225285912
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NM_001130445	SSFA2	1199	1266	4.12252858388
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NM_001130445	SSFA2	1813	1879	5.11851099125
NM_001130445	SSFA2	4461	4569	6.12252859142
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NM_001130445	SSFA2	1049	1104	4.11851099125
NM_001130445	SSFA2	2864	2963	4.12252859142
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NM_004390	CTSH	1378	1446	2.61701847759
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NM_004390	CTSH	1136	1201	2.61300087742
NM_004390	CTSH	505	648	5.20198097831
NM_004390	CTSH	322	410	5.20198097831
NM_004390	CTSH	445	505	3.61701847004
NM_004390	CTSH	1037	1112	2.61701847758
NM_004390	CTSH	766	930	6.31745819573
NM_004397	DDX6	1433	1474	7.49490947551
NM_004397	DDX6	1898	1943	6.17298138062
NM_004397	DDX6	3030	3085	5.08884217124
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NM_004397	DDX6	881	933	5.17280763031
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NM_004396	DDX5	188	227	3.15545921112
NM_004396	DDX5	1594	1634	3.64088603851
NM_004396	DDX5	304	408	2.83353111646
NM_004396	DDX5	2065	2283	5.22584853924
NM_004396	DDX5	81	142	2.83353111646
NM_004396	DDX5	544	705	5.64088603851
NM_004396	DDX5	247	291	0.833357366138
NM_004396	DDX5	871	1146	6.25979587116
NM_004396	DDX5	1172	1354	5.0034561179
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NM_004395	DBN1	655	723	7.03665417617
NM_004395	DBN1	106	188	6.45169167545
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NM_004395	DBN1	929	1002	5.36755246607
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NM_004394	DAP	591	668	6.57731173829
NM_004394	DAP	1452	1498	3.99217548725
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NM_002631	PGD	1345	1488	6.7330692127
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NM_002631	PGD	306	453	6.95546163404
NM_013410	AK4	2044	2103	4.47954382878
NM_013410	AK4	453	490	5.06433257941
NM_013410	AK4	1622	1724	6.06450632972
NM_013410	AK4	6687	6777	5.80147192389
NM_013410	AK4	501	600	6.28689875106
NM_013410	AK4	1019	1070	4.47552622883
NM_013410	AK4	1222	1332	5.06450632972
NM_013410	AK4	682	737	4.39540461962
NM_013412	RABL2A	1400	1484	7.61577606287
NM_013412	RABL2A	1953	2031	7.61175869862
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NM_014292	CBX6	1147	1201	12.0522958822
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NM_014292	CBX6	861	999	11.0524696326
NM_014292	CBX6	3134	3206	12.0524693966
NM_014292	CBX6	233	261	10.9683304232
NM_014292	CBX6	1834	1898	11.0522958822
NM_014292	CBX6	1540	1671	13.0524696326
NM_014292	CBX6	35	99	12.6334145331
NM_014292	CBX6	2058	2169	12.6374321257
NM_014290	TDRD7	2275	2378	7.71028705835
NM_014290	TDRD7	2059	2101	6.62614784897
NM_014297	ETHE1	587	656	4.81367106129
NM_014296	CAPN7	2430	2492	5.80310519157
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NM_014294	TRAM1	2373	2439	6.21822015321
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NM_014294	TRAM1	2064	2151	7.21822016075
NM_014294	TRAM1	1608	1752	6.80318266148
NM_014298	QPRT	1006	1036	5.75846025051
NM_014298	QPRT	204	248	5.7584600146
NM_014298	QPRT	779	913	7.56581517257
NM_014298	QPRT	265	334	4.75846025051
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NM_014298	QPRT	444	710	8.34342275124
NM_018994	FBX042	1072	1149	9.08527188359
NM_015475	FAM98A	737	799	6.90981260686
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NM_015476	C18orf10		932	994 8.43645233069
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NM_015476	C18orf10		567	680 9.85149656102
NM_018997	MRPS21	176	248	2.55831380454
NM_018997	MRPS21	616	656	3.55832052804
NM_018997	MRPS21	518	598	4.88024863048
NM_018997	MRPS21	676	750	4.14328303631
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NM_015470	RAB11FIP5		3577	3672 8.36554387539
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NM_015470	RAB11FIP5		2919	2967 8.36153300627
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NM_018992	KCTD5	1854	1902	5.21172023877
NM_018992	KCTD5	325	393	5.7966827395
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NM_018992	KCTD5	1634	1722	5.21556408863
NM_015473	HEATR5A	308	354	7.27972803203
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NM_018998	FBXW5	804	862	7.24795913312
NM_018998	FBXW5	870	910	5.66700750152
NM_018998	FBXW5	1347	1420	5.66701423257
NM_018998	FBXW5	672	796	7.2519767333
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NM_001170416	TJP2	3119	3181	5.17920251556
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NM_001170416	TJP2	376	429	3.59423328379
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NM_021978	ST14	1248	1321	12.3109924914
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NM_021978	ST14	640	693	10.7260299831
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NM_152289	ZNF561	324	450	8.46260765494
NM_152288	ORAI3	518	586	10.4781811729
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NM_021970	LAMTOR3	168	200	7.56335737873
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NM_152281	GORAB	894	976	7.18152216511
NM_152280	SYT11	1873	1920	11.8503584099
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NM_152280	SYT11	2317	2377	12.4391647605
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NM_152280	SYT11	630	712	11.8543760099
NM_152280	SYT11	1638	1748	13.176304105
NM_152280	SYT11	1155	1210	10.8543757742
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NM_021975	RELA	1929	1979	6.97730045844
NM_021975	RELA	494	539	5.38832059347
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NM_021975	RELA	769	824	5.39233818609
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NM_021975	RELA	1528	1574	5.38832059347
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NM_015342	PPWD1	1677	1726	5.28773344507
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NM_001077516	SLC39A7	1903	1950	3.13392451421
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NM_001077516	SLC39A7	1818	1871	4.72290437919
NM_001077516	SLC39A7	1379	1534	6.94529703644
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NM_001077516	SLC39A7	405	974	9.495494119
NM_033420	C19orf6	743	799	6.43553288831
NM_033420	C19orf6	1786	1842	7.02049538903
NM_033420	C19orf6	550	643	8.24288781037
NM_033420	C19orf6	1684	1742	7.43553288831
NM_033420	C19orf6	106	186	6.43553288831
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NM_033420	C19orf6	1076	1186	9.24288781037
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NM_033420	C19orf6	2389	2493	5.43553288831
NM_033420	C19orf6	242	548	10.5648159053
NM_033420	C19orf6	645	717	7.02049538903
NM_033426	KIAA1737		2940	2982 8.24407886226
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NM_015341	NCAPH	513	574	6.25729573608
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NM_015341	NCAPH	2624	2679	5.25327814345
NM_015341	NCAPH	1060	1134	6.83824064417
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NM_006407	ARL6IP5	363	447	4.69836591117
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NM_015610	WIPI2	3781	3843	5.84357380812
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NM_015610	WIPI2	4024	4089	3.84357380812
NM_015610	WIPI2	2064	2127	3.84357357221
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NM_015610	WIPI2	2315	2376	6.16549517196
NM_015610	WIPI2	1539	1760	7.42853630885
NM_015610	WIPI2	503	587	4.84357380813
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NM_015610	WIPI2	2143	2258	6.84357380813
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NM_018227	UBA6	140	182	6.38859294225
NM_018227	UBA6	1613	1660	8.05752090204
NM_018227	UBA6	2899	2941	6.38859294225
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NM_018227	UBA6	4457	4494	6.38859294225
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NM_018224	C7orf44	124	197	9.24969362625
NM_018224	C7orf44	280	316	6.92374793119
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NM_018224	C7orf44	499	594	8.51272803208
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NM_024947	PHC3	2507	2560	7.9268205327
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NM_014878	KIAA0020		1612	1661 5.40484630355
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NM_014877	HELZ	8479	8539	7.60001845604

NM_014877	HELZ	90	155	7.01506267882
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NM_014877	HELZ	2077	2111	5.93092347698
NM_014877	HELZ	1889	1987	6.01506267882
NM_014877	HELZ	6799	6859	7.01505595531
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NM_014876	JOSD1	1376	1434	8.98696003688
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NM_014875	KIF14	7061	7109	7.08724643353
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NM_014875	KIF14	3997	4047	8.08707268343
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NM_014874	MFN2	2659	2707	6.69878173536
NM_014874	MFN2	1082	1155	6.69895548568
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NM_014873	LPGAT1	5742	5834	8.36156220582
NM_014873	LPGAT1	655	729	7.55420728376
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NM_014873	LPGAT1	4765	4833	7.55420728376
NM_014873	LPGAT1	1003	1061	7.13916978426
NM_014873	LPGAT1	1770	1835	6.55420728354
NM_014873	LPGAT1	1618	1663	6.55420727621
NM_014873	LPGAT1	497	654	9.2546470019
NM_014873	LPGAT1	1269	1384	8.13916978448
NM_014873	LPGAT1	359	406	5.47006807438
NM_014873	LPGAT1	3724	3788	5.55420704785
NM_014873	LPGAT1	131	190	7.13515218431
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NM_014873	LPGAT1	2554	2661	6.55420728376
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NM_014873	LPGAT1	3490	3545	6.55403353345
NM_014870	ZBTB40	3314	3362	6.63535546578
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NM_014870	ZBTB40	1267	1352	6.63937283003
NM_138729	ST7L	982	1015	7.43409908896
NM_138729	ST7L	442	517	8.51823829835
NM_138729	ST7L	540	614	9.84015966218
NM_138729	ST7L	635	691	9.51823829813
NM_182836	RABGGTA	1524	1594	8.59606010858
NM_182836	RABGGTA	137	193	6.59204250841
NM_182836	RABGGTA	937	1010	6.59605337753
NM_018229	MUDENG	667	734	7.76216548898
NM_018229	MUDENG	865	907	8.68204387977
NM_018229	MUDENG	2501	2561	9.35113885882
NM_018229	MUDENG	1237	1311	8.7661830816
NM_018229	MUDENG	587	649	8.76600933884
NM_001099274	TINF2	912	968	7.20089178524
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NM_203379	ACSL5	1121	1175	4.68891222536
NM_203379	ACSL5	1604	1689	4.1041234674
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NM_001100913	PACS2	5048	5132	5.45968322153
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NM_000287	PEX6	2090	2146	9.71611931355
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NM_006708	GL01	61	137	6.06053895797
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NM_003487	TAF15	109	170	6.20515628248
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NM_014604	TAX1BP3	175	242	6.91555853338
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NM_014607	UBXN4	3836	3893	4.18428827873
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NM_005880	DNAJA2	934	971	2.89461073235
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NM_005881	BCKDK	747	814	7.6424596727
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NM_005885	MARCH6	733	772	5.14347860048
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NM_000477	ALB	2181	2234	-3.88980816658
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NM_032775	KLHL22	573	726	11.0568204362
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NM_052885	SLC2A13	1420	1459	8.79790568219
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NM_005082	TRIM25	2884	2951	6.4732286834
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NM_005778	RBM5	1565	1624	4.41217439892
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NM_005354	JUND	417	512	6.46891408799
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NM_018385	LSG1	2806	2908	6.69435264599
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NM_018387	STRBP	966	1027	6.61988073277
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NM_001025205	AP2M1	626	719	5.91017658155
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NM_015144	ZCCHC14	989	1052	8.03366562327
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NM_181575	AUP1	1046	1134	6.33213134413
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NM_031454	SELO	79	120	9.52929314894
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NM_017657	AFTPH	2424	2467	6.78683162189
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NM_000611	CD59	5214	5282	6.32381862477
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NM_017659	QPCTL	1063	1118	8.71092020322	
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NM_001083614	EARS2	243	294	6.29619947845	
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NM_003257	TJP1	6599	6680	6.28516998079	
NM_003257	TJP1	2672	2743	5.28115911167	
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NM_006045	ATP9A	1021	1080	6.44240427975
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NM_014187	TMEM208	508	547	6.51804052506
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NM_147150	PALM2-AKAP2	971	1022	6.89391587589
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NM_001166271	SPATA13 272	306	6.78629488142	
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NM_001130929	C7orf73	287	395	9.12296994125
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NM_018715	RCC2	1566	1647	6.30592102865
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NM_032796	SYAP1	896	927	5.35114558233
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NM_032797	AIFM2	979	1041	6.5515188412
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NM_012416	RANBP6	1537	1588	6.60242326595	
NM_012414	RAB3GAP2		1278	1324	8.11535790933
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NM_001114092	THUMPD3	175	208	7.13012594343	
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NM_001173524	TROVE2	427	502	6.51088609753	
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NM_001173524	TROVE2	647	693	7.01170938887	
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NM_001017423	ALDH18A1		3049	3095	2.85834866454
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NM_058167	UBE2J2	1177	1254	8.43662097129
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NM_058163	TSR2	1195	1255	6.46066511608
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NM_001068	TOP2B	2842	2896	3.29962425176
NM_001068	TOP2B	2723	2775	4.38376346115
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NM_001068	TOP2B	4972	5075	6.19111838321
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NM_001063	TF	260	496	2.50501985807
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NM_004762	CYTH1	662	721	4.65525028507
NM_001067	TOP2A	931	1021	6.62485105856
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NM_001067	TOP2A	1021	1072	4.20579595911
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NM_001067	TOP2A	411	466	3.62467730825
NM_001067	TOP2A	5344	5459	5.43220598062
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NM_001067	TOP2A	79	161	3.62485105856
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NM_001067	TOP2A	1917	1961	4.20579595911
NM_001067	TOP2A	4388	4415	2.62484432751
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NM_001067	TOP2A	1757	1887	6.20981355929
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NM_001067	TOP2A	2637	3003	7.66924517792
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NM_018323	PI4K2B	1303	1398	8.45449795177	
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NM_022373	HERPUD2	722	765	6.38731800134	
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NM_004242	HMG3	414	471	3.29929048983	
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NM_014887	N4BP2L2 856	905		4.82342398437
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NM_004582	RABGGTB 84	147		4.05002605412
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NM_004583	RAB5C 1240	1292		2.13140408212
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NM_020151	STARD7	32	94	6.16561731941
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NM_004586	RPS6KA3	498	540	5.03431853943
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NM_020156	C1GALT1	1348	1414	5.90817746049
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NM_004584	RAD9A	1610	1661	8.16959040242	
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NM_020154	C15orf24		827	901	5.53310864112
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NM_004589	SC01	1438	1484	6.63295629116	
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NM_004589	SC01	597	672	6.05201138306	
NM_006052	DSCR3	2302	2378	6.33326288502	
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NM_032882	PNMA6A	1898	1941	11.3280443213	
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NM_016248	AKAP11	5938	5993	6.49447409002	
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NM_016243	CYB5R1	171	277	10.6194519569	
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NM_016243	CYB5R1	593	627	9.03448272516	
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NM_016243	CYB5R1	1047	1152	10.0344894562	
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NM_016245	HSD17B11		1245	1274	2.30730993816
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NM_016245	HSD17B11		224	1244	8.70836312476
NM_032233	SETD3	312	354	6.25844525449	
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NM_152727	CPNE2	711	759	8.82713683809	
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NM_006519	DYNLT1	440	479	5.79176379686	
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NM_007234	DCTN3	215	287	8.76643592636
NM_000917	P4HA1	1851	1897	1.98786040344
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NM_000917	P4HA1	892	993	2.30978849855
NM_000917	P4HA1	2384	2441	2.57282290438
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NM_007236	CHP	1064	1128	4.42130187476
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NM_000918	P4HB	2341	2551	3.95004939161
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NM_004125	DNAJC25-GNG10		478	526 10.726658897
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NM_194282	LIN54	3562	3604	5.74783669656
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NM_006513	SARS	575	645	3.20991519036
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NM_003930	SKAP2	813	893	8.10999208725
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NM_001167734	VARS2	1485	1534	8.18060892864
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NM_003934	FUBP3	2281	2339	4.21213164887
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NM_003032	ST6GAL1	3549	3592	3.26976517668
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NM_001010858	RNF187	1665	1799	5.91368203812
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NM_001443	FABP1	113	249	-0.0613486839617
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NM_007055	POLR3A	3466	3533	8.12412312409	
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NM_007054	KIF3A	4899	4989	7.40816812495	
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NM_024707	GEMIN7	807	863	7.11160089125	
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NM_031902	MRPS5	1261	1317	2.49201256835	
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NM_007277	EXOC3	2070	2131	6.2083609407	
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NM_007277	EXOC3	1834	1872	6.12422173154	
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NM_024709	C1orf115		2552	2636	9.07653436826
NM_024709	C1orf115		600	652	6.75460626583
NM_024709	C1orf115		1966	1995	6.75443252306
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NM_007059	KPTN	544	614	10.9322175183	
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NM_001025105	CSNK1A1	164	210	3.2332707364
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NM_032324	NTPCR	273	360	6.78474003381
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NM_032632	PAPOLA	2433	2496	3.48210359496
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NM_001077238	SPPL2B	1411	1486	8.1300362168
NM_001077238	SPPL2B	675	782	9.45196431169
NM_001077238	SPPL2B	172	231	7.12986246649
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NM_033505	EPT1	2729	2805	6.15105545447
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NM_033505	EPT1	5796	5876	7.73601795497
NM_033505	EPT1	7932	7988	8.15104872342
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NM_033505	EPT1	1277	1371	8.15105545447
NM_033505	EPT1	7348	7386	7.1470378543
NM_033505	EPT1	201	387	9.85149517262
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NM_022149	MAGEF1	529	590	7.45491826937
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NM_015288	PHF15	2686	2754	9.45450942764
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NM_015288	PHF15	673	711	7.45450919172
NM_015288	PHF15	5476	5541	7.45450269659
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NM_015282	CLASP1	107	185	6.33492007473
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NM_002408	MGAT2	1380	1444	8.32192071599
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NM_002401	MAP3K3	4198	4254	5.73310852863
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NM_138357	MCU	200	251	7.76858997292	
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NM_001009881	ZCCHC11	4871	4995	6.06168202783	
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NM_001242903	AKAP1	2710	2823	6.04305011467	
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NM_001277	CHKA	968	1038	6.37905979554	
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NM_001018050	POLR3H	3502	3559	6.71482318365
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NM_001274	CHEK1	1666	1708	5.89890386021
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NM_197962	GLRX2	285	344	10.5635422967
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NM_000584	IL8	1387	1473	9.32460380242
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NM_000581	GPX1	555	601	7.51660398649
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NM_021145	DMTF1	1954	2011	4.97887200513
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NM_021141	XRCC5	2453	2531	5.92772318571
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NM_021141	XRCC5	114	332	7.16873128522

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NM_021141	XRCC5	2535	2723	6.37518216268
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NM_021149	COTL1	407	464	6.48434335969
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NM_021148	ZNF273	2604	2707	9.44722138712
NM_012081	ELL2	881	948	4.08772391057
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NM_012084	GLUD2	1741	1811	6.25171281981
NM_012084	GLUD2	647	705	4.66675031154
NM_012084	GLUD2	846	903	5.66675031154
NM_012084	GLUD2	2096	2144	5.66674358804
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NM_012087	GTF3C5	1490	1548	5.69213079398
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NM_012089	ABCB10	1014	1095	10.1458645564
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NM_006915	RP2	302	345	8.30049440597
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NM_001985	ETFB	471	531	1.46997309763
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NM_019857	CTPS2	2105	2153	7.83355012222
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NM_019857	CTPS2	1849	1942	8.83756099134
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NM_001986	ETV4	898	949	4.11055192421
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NM_144726	RNF145	491	533	9.51941115684
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NM_144723	ZMAT2	22	117	3.61792377741
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NM_000057	BLM	4394	4452	9.9452401519
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NM_017901	TPCN1	1230	1270	8.68656906983
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NM_017906	PAK1IP1	671	775	7.33694166739
NM_017907	LAMTOR1	507	575	9.14797394738
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NM_017905	TMC03	1054	1120	4.83614913553
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NM_153207	AEBP2	807	881	7.09203422914

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NM_004247	EFTUD2	439	510	4.77672149584	
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NM_001001410	C16orf42		627	672	5.78422167431
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NM_001001419	SMAD5	117	193	7.83447291597	
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NM_198514	NHLRC2	718	775	8.09250871461
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NM_000638	VTN	117	147	3.18461260255
NM_000638	VTN	546	591	5.18461260255
NM_000638	VTN	606	750	6.18863020273
NM_000638	VTN	1584	1640	4.77358597239
NM_000638	VTN	1004	1135	6.88906992087
NM_000638	VTN	1150	1217	4.77359270345
NM_000638	VTN	762	932	7.51055829761
NM_000638	VTN	163	530	8.09552079833
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NM_000638	VTN	48	109	4.7735926959
NM_001135195	SLC39A5	456	507	6.54481796166
NM_001135195	SLC39A5	163	217	5.54498498093
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NM_001135195	SLC39A5	1183	1250	6.54499171198
NM_001135195	SLC39A5	264	318	6.54481796166
NM_001135195	SLC39A5	122	160	5.4608525026
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NM_001135669	XPR1	750	837	8.31145191663
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NM_001135669	XPR1	1287	1332	6.72648940836
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NM_001135669	XPR1	610	659	7.31145190908
NM_001135669	XPR1	1770	1952	10.1859210345
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NM_001135669	XPR1	892	988	8.53384433797
NM_001135669	XPR1	1953	1994	6.72648268486
NM_001135669	XPR1	253	401	8.0484175108
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NM_001135669	XPR1	2021	2132	9.0484175108	
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NM_000636	SOD2	1091	1148	5.71612209593	
NM_000636	SOD2	981	1078	7.15669468731	
NM_000636	SOD2	1307	1391	5.90876717387	
NM_000636	SOD2	222	981	9.79141022323	
NM_000636	SOD2	69	218	6.60920689201	
NM_000636	SOD2	1154	1302	6.23069526876	
NM_000637	GSR	1712	1797	7.54205125833	
NM_000637	GSR	1200	1233	4.95307115744	
NM_000637	GSR	714	758	4.95307115744	
NM_000637	GSR	1825	1918	6.54205125078	
NM_000637	GSR	1253	1383	5.95708875761	
NM_000637	GSR	843	997	5.95708875761	
NM_000637	GSR	419	608	8.65752847575	
NM_000637	GSR	1497	1648	6.95708875761	
NM_000637	GSR	1019	1196	8.41652037625	
NM_003583	DYRK2	4720	4765	9.72776158376	
NM_001202504	CTDP1	296	355	9.47753313675	
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NM_139177	SLC39A11		1239	1298	7.12225354992
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NM_139177	SLC39A11		2653	2726	7.11823618567
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NM_139177	SLC39A11		307	429	8.9296087079
NM_139177	SLC39A11		149	239	7.12225378583
NM_001202502	NIPSNAP1		1115	1178	3.26144083064
NM_001202502	NIPSNAP1		502	556	4.3454062897
NM_001202502	NIPSNAP1		1689	1743	3.34558003247
NM_001202502	NIPSNAP1		622	662	4.93036879043
NM_001202502	NIPSNAP1		1414	1478	3.34156243985
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NM_001202502	NIPSNAP1		249	385	5.66750813491
NM_032339	MIEN1	385	449	8.60078779441	
NM_020458	TTC7A	2352	2395	7.35782787836	
NM_198097	C7orf28B		235	312	6.45885173692
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NM_198097	C7orf28B		845	896	5.13692340612
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NM_198097	C7orf28B		1385	1460	5.13692364204
NM_198097	C7orf28B		1517	1808	8.13692364204
NM_198097	C7orf28B		1305	1384	6.13692340612
NM_198097	C7orf28B		731	818	5.72188613521

NM_198097	C7orf28B		599	670	5.13691691098
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NM_025132	WDR19	4400	4454		9.44224407648
NM_020453	ATP10D	1421	1460		10.324970498
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NM_020453	ATP10D	4810	4908		10.4050921072
NM_020453	ATP10D	29	116		11.324970498
NM_025130	HKDC1	394	437		6.81314526924
NM_025130	HKDC1	1408	1460		9.13507360004
NM_025130	HKDC1	2522	2586		6.81314550515
NM_025130	HKDC1	479	571		10.6205004272
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NM_025130	HKDC1	3305	3372		8.39810800588
NM_025130	HKDC1	156	343		10.6205004272
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NM_025130	HKDC1	1987	2241		11.3981080059
NM_025130	HKDC1	1568	1739		9.81314550515
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NM_020451	SEPN1	1888	1936		8.13687078356
NM_020451	SEPN1	2294	2341		10.1368707836
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NM_025136	OPA3	2314	2383		9.47430387261
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NM_025137	SPG11	6046	6092		7.10417231305
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NM_025134	CHD9	2966	3040		6.31314787058
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NM_016331	ZNF639	528	589		6.69248035388

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NM_001079841	OCIAD1	943	1005	7.38673667961
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NM_016505	ZCCHC17	275	368	5.17198652554
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NM_172069	PLEKHH2	1460	1539	8.05626453776
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NM_172069	PLEKHH2	4167	4209	8.05626453776
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NM_172069	PLEKHH2	6588	6645	9.56110542927
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NM_016019	LUC7L2	1713	1764	4.42928183954
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NM_017987	RUFY2	4240	4300	6.71765228368
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NM_001008697	TFIP11	2203	2333	8.11657344017
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NM_153260	LRR57	193	253	8.12700086985
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NM_002184	IL6ST	7183	7249	6.11638572307
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NM_002184	IL6ST	1974	2094	7.57582407276
NM_002184	IL6ST	3026	3110	6.11639245412
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NM_002180	IGHMBP2	3649	3684	10.7114454504
NM_002180	IGHMBP2	1059	1102	9.70742785048
NM_002180	IGHMBP2	378	421	10.2962342011
NM_002180	IGHMBP2	749	802	9.70742785048
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NM_013363	PCOLCE2	399	465	9.29336743663
NM_207344	SPRYD4	950	1023	9.57633532327
NM_013366	ANAPC2	845	933	7.16603886236
NM_013366	ANAPC2	2064	2154	8.08591725315
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NM_013366	ANAPC2	1243	1311	8.17005646232
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NM_013366	ANAPC2	1340	1423	7.17005646253
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NM_013367	ANAPC4	2145	2201	8.04118520762
NM_013367	ANAPC4	1418	1494	8.62614770834
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NM_013367	ANAPC4	2335	2402	8.04118521517
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NM_018482	ASAP1	5734	5798	6.04613931409
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NM_018482	ASAP1	2340	2405	7.13027851592
NM_018489	ASH1L	3212	3267	7.28333056677
NM_018489	ASH1L	10123	10191	6.36345217598
NM_018489	ASH1L	7844	7883	6.28333056677
NM_018489	ASH1L	1448	1521	7.36746954024
NM_018489	ASH1L	8304	8389	7.86829306749
NM_018489	ASH1L	2909	2944	6.36345217598
NM_018489	ASH1L	6013	6066	6.28333056677
NM_018489	ASH1L	4403	4443	7.36345217598
NM_018489	ASH1L	4955	5055	8.95243227688
NM_018489	ASH1L	8187	8269	6.36345217598
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NM_002360	MAFK	2315	2418	8.16976415273
NM_002360	MAFK	610	660	5.58480141609
NM_002360	MAFK	2793	2877	7.16976415272
NM_002360	MAFK	1810	1882	6.58480165201
NM_002360	MAFK	1910	1958	6.50066244263
NM_002360	MAFK	2485	2517	5.58078405184
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NM_002360	MAFK	1519	1618	7.9067297469
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NM_002360	MAFK	1624	1708	5.58480165179
NM_002360	MAFK	2912	3075	8.9067297469
NM_002360	MAFK	3274	3346	6.58480165201
NM_002360	MAFK	2046	2137	7.16976415273
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NM_012200	B3GAT3	970	1017	7.87603528325
NM_012200	B3GAT3	234	256	7.21095117332
NM_012200	B3GAT3	1261	1348	7.8798791331
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NM_024516	C16orf53	246	301	6.7353427006
NM_024516	C16orf53	804	875	6.73551644337
NM_024516	C16orf53	1257	1379	6.73551645092
NM_024511	HAUS3 430	530		8.23667219607
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NM_032408	BAZ1B 4734	4796		4.29051112001
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NM_032408	BAZ1B 5294	5341		6.29051112001
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NM_032408	BAZ1B 920	971		4.29051785085
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NM_032408	BAZ1B 5008	5091		5.87548035157
NM_032408	BAZ1B 2161	2217		6.61244593841
NM_032408	BAZ1B 5557	5620		6.29051785085
NM_032408	BAZ1B 3401	3456		5.29051785085
NM_032408	BAZ1B 5217	5274		5.29051112001
NM_032408	BAZ1B 5757	5798		5.28650025089
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NM_032408	BAZ1B 4078	4141		4.29051785107
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NM_000642	AGL 3271	3312		8.16088585653
NM_000642	AGL 2156	2225		6.65604496502
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NM_018179	ATF7IP 838	894		9.10616360167
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NM_018158	SLC4A1AP	1419	1466	4.78229368469
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NM_018158	SLC4A1AP	1483	1543	3.77828281557
NM_021934	C12orf44	1096	1154	6.96630103652
NM_021934	C12orf44	1172	1247	5.96630103629
NM_021934	C12orf44	248	300	7.55126353701
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NM_005321	HIST1H1E		148	232	11.7277711891
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NM_012168	FBX02	1294	1344	4.91930668139
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NM_006256	PKN2	470	561	5.24643221241
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NM_201224	DDX47	1409	1506	8.28717837021
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NM_001033930	UBA52	2193	2275	2.67903869518
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NM_001518	GTF2I	2783	2956	6.24575869031
NM_001518	GTF2I	2135	2260	5.38326221406
NM_001518	GTF2I	1676	1827	5.92383059542
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NM_004749	TBRG4	820	918	7.73524325165
NM_004749	TBRG4	1007	1082	7.9278883296
NM_004749	TBRG4	430	502	6.51285083032
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NM_004749	TBRG4	781	820	4.92387072942
NM_004749	TBRG4	505	632	6.51285083032
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NM_017924	C14orf119		624	713 4.49977322204
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NM_022356	LEPRE1	1487	1594	7.21607934565
NM_022356	LEPRE1	1057	1121	6.80104184637
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NM_022356	LEPRE1	72	144	6.21607910973
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NM_022356	LEPRE1	1830	1911	5.21607934542
NM_022356	LEPRE1	1960	2033	7.21607934564
NM_022356	LEPRE1	1725	1757	6.2160793381

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NM_022356	LEPRE1	917	1017	7.21607934565
NM_022356	LEPRE1	608	775	9.38600434709
NM_022356	LEPRE1	1772	1819	6.13194013626
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NM_016086	STYXL1	859	909	8.06774484517
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NM_201599	ZMYM3	4399	4495	7.06730745221
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NM_004427	PHC2	2104	2151	6.78853940163
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NM_001146020	TJAP1	1583	1630	5.85937589569
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NM_006304	SHFM1	90	341	4.78960359349
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NM_001203244	SEMA4G	2471	2541	6.90385630462
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NM_001203244	SEMA4G	2275	2323	8.48864529094
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NM_001516	GTF2H3	904	1002	7.55174832543
NM_032349	NUDT16L1		1100	1185 9.65632740772
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NM_001173393	HAVCR1	507	571	8.83844713885
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NM_152305	POGLUT1	570	606	9.24382553195
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NM_152305	POGLUT1	426	495	8.65485216211
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NM_152305	POGLUT1	607	700	9.243832263
NM_152305	POGLUT1	185	286	9.24383202708
NM_152305	POGLUT1	707	783	7.65886976228
NM_152305	POGLUT1	302	424	9.243832263
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NM_032341	DDI2	378	469	5.02443708754
NM_152653	UBE2E2	345	397	11.257254251
NM_001185073	CLDN12	1193	1245	8.19397362636
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NM_001037637	BTF3	372	522	2.556281612
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NM_002799	PSMB7	520	625	6.86810106147
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NM_002799	PSMB7	838	936	5.86792731115
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NM_002798	PSMB6	329	384	8.32098941367

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NM_002798	PSMB6	665	823	8.51363449161
NM_002791	PSMA6	891	948	3.03393108858
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NM_002792	PSMA7	807	855	2.39332879952
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NM_002792	PSMA7	83	141	1.3893179304
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NM_002795	PSMB3	654	743	7.00515637508
NM_002795	PSMB3	53	640	10.2681907809
NM_002794	PSMB2	1189	1264	5.42253022311
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NM_015515	KRT23	2132	2207	9.06316632152
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NM_018834	MATR3	149	247	4.86077279038
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NM_015510	DHRS7B	1089	1202	8.64049945742
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NM_018838	NDUFA12	105	186	4.45705409845
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NM_002428	MMP15	1557	1596	8.83254964762
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NM_019613	WDR45L	413	474	4.14499624758
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NM_001136199	GRAMD1A	484	524	4.57472044531
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NM_001136199	GRAMD1A	1494	1549	5.65885941877
NM_001136199	GRAMD1A	2293	2362	6.23980455524
NM_001136196	TNPO2	3016	3051	8.57673740545
NM_001136196	TNPO2	1770	1851	5.99177490473
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NM_001136196	TNP02	806	873	7.57673067439
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NM_052844	WDR34	612	672	10.4804285993
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NM_001136191	KANK2	4879	4921	9.95626048524
NM_001136191	KANK2	4614	4654	9.96027807786
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NM_001136191	KANK2	2122	2209	10.5452403502
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NM_001076786	QSER1	5488	5553	7.09409306521
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NM_177533	NUDT14	207	274	10.985129712
NM_170746	C11orf31		757	790 5.78513737274
NM_177538	CYP20A1	967	1051	9.68141298568
NM_177538	CYP20A1	801	842	10.0033343495
NM_177538	CYP20A1	1757	1802	9.26637548618
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NM_177538	CYP20A1	1947	2003	8.6773953855
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NM_177538	CYP20A1	1142	1258	10.2663754864
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NM_177538	CYP20A1	1409	1517	10.0033410806
NM_001003714	ATP5J2	89	196	7.57741582509
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NM_183008	UBXN11	1506	1556	7.10585042401
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NM_138335	GNPDA2	844	895	7.79739590414
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NM_138335	GNPDA2	570	622	8.79756292341
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NM_183006	DLGAP4	2449	2508	5.42873068806
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NM_138330	ZNF675	371	393	9.44467990571
NM_001040108	MLH3	3536	3600	8.9879651212
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NM_006430	CCT4	934	1053	4.5940712527
NM_006430	CCT4	1072	1620	7.81646367403
NM_006430	CCT4	289	407	4.5940712527
NM_007215	POLG2	1247	1293	6.0319517312
NM_007215	POLG2	512	570	5.94781925287
NM_001216	CA9	1470	1524	6.53000213869
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NM_001211	BUB1B	707	776	6.94348178585
NM_001211	BUB1B	1985	2062	7.68044738001
NM_001211	BUB1B	2637	2687	6.27438008329
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NM_001212	C1QBP	969	1044	2.56807344203
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NM_001212	C1QBP	232	338	3.24614534715
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NM_001003897	MANBAL	419	504	7.35133916771
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NM_001163940	PYGL	164	214	4.38087219089
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NM_022167	XYLT2	1281	1347	9.14555187826
NM_030912	TRIM8	1507	1576	5.80027929375
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NM_030912	TRIM8	830	870	3.80010554343
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NM_021129	PPA1	364	401	5.02881681791
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NM_030917	FIP1L1	1287	1364	7.13067298211
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NM_030914	URM1	230	298	6.21030960683
NM_030918	SNX27	6349	6425	8.11706260876
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NM_020135	WRNIP1	708	760	3.57437383679
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NM_002853	RAD1	319	361	8.65692053215
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NM_001710	CFB	260	348	1.87731155892
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NM_017614	BHMT2	1684	1771	6.858136778
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NM_017614	BHMT2	599	649	5.27316754622
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NM_017615	NSMCE4A	1063	1181	3.27255481101
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NM_017613	DONSON	1932	1972	7.4355861363
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NM_012208	HARS2	1352	1428	7.35455342929
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NM_004483	GCSH	205	244	0.722190281247
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NM_004482	GALNT3	1969	2074	13.67121685
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NM_012207	HNRNPH3	1389	1466	5.35368306003
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NM_018396	METTL2B	296	355	7.02153055724
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NM_006939	SOS2	2490	2540	6.00711108578
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NM_006938	SNRPD1	377	422	2.46264380103
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NM_133452	RAVER1	3367	3440	8.2490787104
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NM_006933	SLC5A3	5242	5280	7.07937712617
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NM_001199864	BCL2L2-PABPN1	1343	1413	2.13709104195
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NM_001242676	AHCYL1	1004	1074	3.83580120166
NM_001242676	AHCYL1	597	664	3.83579447083
NM_001242676	AHCYL1	749	803	3.16669949177
NM_001242676	AHCYL1	1666	1711	2.25083846524
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NM_001199867	MARK4	1193	1250	5.58743708128
NM_001199867	MARK4	309	357	5.58743708128
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NM_013346	SNX12	543	565	4.6914894629
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NM_001136201	ISOC2	743	800	7.55766914342
NM_001136200	C10orf32		1460	1515 5.80380277882
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NM_001130691	PPP3CA	928	1027	9.24721975617
NM_001130691	PPP3CA	2994	3050	8.66208350513
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NM_001130691	PPP3CA	2019	2092	8.65823965528
NM_001130691	PPP3CA	1321	1414	7.66225701953
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NM_203290	POLR1C	323	406	7.38808657071
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NM_001040694	INCENP	701	813	9.27157445824
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NM_024571	SNRNP25	279	340	6.02986088563	
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NM_024573	C6orf211		1075	1130	6.65219981014
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NM_007218	RNF139	1327	1373	7.01791068117	
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NM_014585	SLC40A1	845	923	6.58720714659
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NM_018131	CEP55	742	794	8.17057754253
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NM_001190274	FBX011	677	740	5.81335944045
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NM_032286	MED10	332	397	6.19963150415
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NM_015187	SEL1L3	2203	2256	12.2461097645

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NM_015187	SEL1L3	4417	4514	12.2420921645
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NM_015180	SYNE2	21399	21446	8.87059482133
NM_015180	SYNE2	17766	17822	7.87460569045
NM_015180	SYNE2	11526	11623	7.87460569045
NM_015180	SYNE2	17001	17052	7.79047321212
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NM_015180	SYNE2	5620	5686	7.87059482133
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NM_015180	SYNE2	488	527	7.79047321212
NM_015180	SYNE2	21473	21551	7.87461242149
NM_015180	SYNE2	1453	1532	7.87059482133
NM_015180	SYNE2	13660	13753	7.87461242128
NM_015180	SYNE2	16839	16933	7.87461241395
NM_015180	SYNE2	4588	4683	8.87461241395
NM_015180	SYNE2	20008	20078	8.87443867118
NM_015183	MAST4	1820	1902	9.43120969095
NM_001017926	ZHX1	1712	1757	7.54559557077
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NM_001017926	ZHX1	1148	1176	6.96063307005
NM_001017926	ZHX1	1347	1420	7.96063307005
NM_203346	HDLBP	3686	3720	1.48570037776
NM_203346	HDLBP	3620	3666	1.56983958714
NM_203346	HDLBP	1660	1725	2.56983958692

NM_203346	HDLBP	671	752	3.56983958714	
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NM_203346	HDLBP	5273	5318	2.56582198697	
NM_203346	HDLBP	2617	2658	3.07066287848	
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NM_203346	HDLBP	798	858	3.56983958714	
NM_203346	HDLBP	66	259	6.47673018275	
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NM_203346	HDLBP	1730	1811	3.15480208787	
NM_203346	HDLBP	1820	1939	4.73976458859	
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NM_001009925	C2orf30		657	719	4.22976060851
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NM_001009925	C2orf30		1147	1234	4.81471637817
NM_001009925	C2orf30		388	517	5.81472310923
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NM_014752	SPCS2	369	479	6.9827460615	
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NM_014752	SPCS2	526	601	4.48024572097	
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NM_014752	SPCS2	708	1007	7.21721131513	
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NM_001018159	NAE1	518	574	3.84607607953	
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NM_014753	BMS1	2825	2872	5.16718555057	
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NM_000232	SGCB	426	468	7.01043913121	
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NM_033487	CDK11B	1547	1610	6.71508371587
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NM_033480	FBX09	2089	2156	5.53246317607
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NM_001026	RPS24	75	202	1.42001680425
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NM_001024	RPS21	285	384	3.05589452716
NM_001024	RPS21	69	282	3.64085702788
NM_001025	RPS23	205	277	-0.165557041669
NM_001025	RPS23	45	168	0.727527754415
NM_001025	RPS23	279	566	2.27501554972
NM_001022	RPS19	306	639	4.54730733263
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NM_001023	RPS20	85	550	6.03549865749
NM_001020	RPS16	47	226	5.54735991683
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NM_001021	RPS17	363	564	5.68259779343
NM_002208	ITGAE	3478	3549	10.8236389766
NM_002208	ITGAE	3704	3755	9.82363897664
NM_002208	ITGAE	3279	3336	8.82346523387
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NM_001028	RPS25	8	466	3.80616392789
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NM_016062	FAM96B	508	572	6.54832824599
NM_016062	FAM96B	321	347	4.46418903682
NM_016062	FAM96B	178	310	6.8702563411
NM_016063	HDDC2	888	975	6.75290261989
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NM_022338	C11orf24		670	720	4.4241352982
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NM_022338	C11orf24		1888	1964	5.42413529087
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NM_022338	C11orf24		436	628	8.51159813967
NM_017444	CHRA1	1352	1403	7.14117472025	
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NM_001008529	MXRA7	804	916	6.08534486895	
NM_001134870	KIAA1949		2724	2809	7.81759302241
NM_000215	JAK3	4445	4502	8.96286539139	
NM_001031723	DNAJB14	5940	5998	6.05939057446	
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NM_001031727	MRI1	540	594	10.4042732562	
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NM_172115	CAMK2D	845	921	5.36909989127	
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NM_002109	HARS	690	780	6.68349030071	
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NM_016207	CPSF3	266	326	3.46276417056	
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NM_016205	PDGFC	2755	2815	6.72246728409	
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NM_016200	NAA38	199	611	8.8210795996	
NM_016201	AMOTL2	2602	2672	8.631162476	
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NM_016201	AMOTL2	1548	1586	8.04218237511	
NM_016201	AMOTL2	303	351	7.04619324423	
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NM_001080975	REPS2	47	86	11.7292299304	
NM_016209	TRAPPC2L		124	176	7.55866691088
NM_016209	TRAPPC2L		499	628	6.82170131693
NM_001249	ENTPD5	1356	1416	4.87753229609	
NM_001249	ENTPD5	517	634	8.13159650691	
NM_001249	ENTPD5	448	501	5.9576539053	
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NM_001249	ENTPD5	1001	1177	8.42110312411	
NM_001249	ENTPD5	790	920	7.28359960036	
NM_001539	DNAJA1	314	356	0.684172149022	
NM_001539	DNAJA1	713	810	1.76831135841	
NM_001539	DNAJA1	522	713	4.46875107655	
NM_001539	DNAJA1	841	1131	5.85577419966	
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NM_001134479	LRRRC8D	435	498	6.49782162034	
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NM_001530	HIF1A	3245	3284	4.96928501894
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NM_001530	HIF1A	3429	3471	4.9694520382
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NM_001530	HIF1A	1038	1092	6.29138686414
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NM_001530	HIF1A	543	672	8.1393837707
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NM_001532	SLC29A2	904	939	9.42908186465
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NM_004016	DMD	171	285	8.69391050836
NM_001537	HSBP1	783	869	2.75923511199
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NM_007278	GABARAP	796	861	6.03257129066
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NM_181706	DNAJC24	1515	1544	6.95697745236
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NM_000777	CYP3A5	450	543	10.2667054112
NM_194247	HNRNPA3	2735	2808	1.9711256038
NM_194247	HNRNPA3	4872	4947	0.386163103074
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NM_194247	HNRNPA3	289	373	2.9711256038
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NM_194247	HNRNPA3	63	99	2.70809096204
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NM_194247	HNRNPA3	2934	2985	0.382145502901
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NM_194247	HNRNPA3	4041	4072	0.30202389369
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NM_006327	TIMM23	1135	1183	4.72156129461
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NM_006327	TIMM23	248	337	4.72156130216
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NM_006328	RBM14	364	401	8.73301373816
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NM_006328	RBM14	1930	2141	11.1924455927
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NM_003798	CTNNAL1	174	266	4.75851349402
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NM_003798	CTNNAL1	324	376	3.67839188481
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NM_012097	ARL5A	332	403	5.22929302355
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NM_002166	ID2	282	336	4.86399584767
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NM_032361	THOC3	1249	1301	7.5586669111
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NM_032361	THOC3	768	830	5.88956520099
NM_032361	THOC3	832	935	7.97370441038

NM_032361	THOC3	202	264	6.55464931093
NM_032361	THOC3	1301	1505	7.78105933244
NM_032361	THOC3	354	606	8.5586669111
NM_032360	ACBD6	1309	1396	6.44481805439
NM_007176	C14orf1	1042	1130	6.18749529718
NM_007176	C14orf1	1336	1384	4.5985151963
NM_007176	C14orf1	452	502	6.18749506127
NM_007176	C14orf1	1213	1279	5.60253279647
NM_007176	C14orf1	1407	1467	4.5985151963
NM_007176	C14orf1	506	959	9.55672910686
NM_032364	DNAJC14	445	496	6.55712502883
NM_032364	DNAJC14	1134	1174	8.55729204809
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NM_032364	DNAJC14	2424	2525	7.55729877914
NM_014634	PPM1F	685	762	10.1219126345
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NM_032368	LZIC	178	247	2.5616244115
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NM_152678	FAM116A	3389	3478	8.10218316404
NM_139281	WDR36	760	816	7.53913080858
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NM_139281	WDR36	1877	1984	6.95416831541
NM_139286	CDC26	264	316	3.65914344366
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NM_001198569	ATP6V0C	51	97	4.71977960417
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NM_002813	PSMD9	287	351	6.90580858349
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NM_006396	SSSCA1	215	260	10.3270143208
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NM_177974	CASC4	3551	3617	3.78932502044
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NM_014117	C16orf72		735	877 4.91378377485
NM_015578	LSM14A	1036	1095	4.57961282743
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NM_015578	LSM14A	206	430	6.90154092232
NM_015578	LSM14A	467	514	4.57559522726
NM_015578	LSM14A	2979	3073	5.57961282721
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NM_005798	TRIM13	536	598	6.73458524698
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NM_052820	COR02A	1894	1952	8.37970146996
NM_052821	WDR5	2934	3016	5.64588091993
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NM_170726	ALDH4A1	1399	1470	6.35258785069
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NM_033540	MFN1	1656	1716	5.93308579577
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NM_033547	INTS4	2128	2225	7.01650859349
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NM_033018	CDK16	1819	1863	4.2753183131
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NM_004587	RRBP1	1274	1346	4.00451375629
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NM_001237	CCNA2	689	814	7.79882060645
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NM_001207068	BZW1	1130	1230	5.35789847448
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NM_022100	MRPS14	612	650	3.9076818518
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NM_022101	CXorf56	439	476	6.51450453586
NM_022101	CXorf56	1226	1289	6.43438292665
NM_022101	CXorf56	191	241	6.51851540498
NM_022101	CXorf56	281	395	8.32587705809
NM_022101	CXorf56	984	1029	5.51852212849

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NM_021103	TMSB10	22	454	5.01619181583
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NM_021105	PLSCR1	1158	1251	7.98651859474
NM_021105	PLSCR1	763	829	7.31741688463
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NM_021109	TMSB4X	17	531	8.3986988289
NM_054022	GOSR2	383	465	4.61099475257
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NM_019096	GTPBP2	2214	2285	6.55445214534
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NM_019094	NUDT4	991	1059	5.72989220486
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NM_019094	NUDT4	1974	2039	3.40796410976
NM_019094	NUDT4	2631	2675	4.4039465098
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NM_182488	USP12	347	414	6.93012338191	
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NM_012225	NUBP2	439	481	7.26085441326
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NM_130787	AP2A1	3223	3280	4.81757024237
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NM_001137667	CASP8AP2		6266	6312 6.89378347246
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NM_001137664	ANAPC7	330	405	6.61658149898
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NM_030935	TSC22D4	346	390	7.92121517477
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NM_017946	FKBP14	227	276	7.5781511454
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NM_003898	SYNJ2	4918	4975	4.01392660634
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NM_198551	MIA3	3479	3551	5.95684056546	
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NM_001199260	TOR1AIP2		2718	2796	7.73106273701
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NM_022817	PER2	3915	3941	8.41354242178	
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NM_022818	MAP1LC3B		629	691	4.4957924924

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NM_015159	FAM168A 5944	5982		6.96223809067
NM_015159	FAM168A 3556	3648		5.88211648146
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NM_025176	NINL 1721	1762		5.85151550649
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NM_020414	DDX24 1774	1870		7.91412362095
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NM_020410	ATP13A1 1000	1101		7.34255409105
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NM_020410	ATP13A1	2152	2265	9.92751659178
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NM_016546	C1RL	1014	1095	7.13556515122
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NM_016546	C1RL	514	571	8.13957602034
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NM_024884	L2HGDH	4177	4322	9.34611161996
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NM_024881	SLC35E1	3933	3972	6.58602894784
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NM_144988	ALG14	302	341	8.44088043597
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NM_015897	PIAS4	429	496	7.8697430462
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NM_015895	GMNN	1040	1085	2.20875573908
NM_015895	GMNN	906	954	3.53085758428
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NM_015895	GMNN	623	725	2.79389199012
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NM_175854	PAN3	3107	3173	8.70723691648
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NM_145055	C18orf25		3291	3339 7.60451409776
NM_145055	C18orf25		336	381 8.18563274862
NM_015898	ZBTB7A	2038	2110	9.14911470588
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NM_032389	ARFGAP2	1677	1743	5.67637522157
NM_032389	ARFGAP2	2618	2652	5.59223624811
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NM_002140	HNRNPK	519	599	3.7048390505
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NM_002140	HNRNPK	603	1202	6.77092824096
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NM_001199849	DAP3	1164	1203	5.51595073992
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NM_013328	PYCR2	354	414	6.3100487628
NM_013328	PYCR2	760	836	8.31005548631
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NM_013328	PYCR2	1343	1433	8.31005549386
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NM_013329	GCFC1	2080	2192	5.97369622183
NM_013326	C18orf8	1117	1185	7.98068794257
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NM_013326	C18orf8	1252	1292	8.8965489691
NM_013326	C18orf8	483	599	9.98068817849
NM_005004	NDUFB8	335	435	7.34161022773
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NM_013325	ATG4B	438	498	3.75180629002
NM_013325	ATG4B	977	1023	3.75163277563
NM_013325	ATG4B	1024	1101	5.33676902666
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NM_013322	SNX10	1731	1781	5.10298199001
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NM_024083	ASPSCR1	194	284	6.42920467652
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NM_015675	GADD45B	551	619	8.10258326867
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NM_024089	KDELC1	198	238	5.55251581908
NM_024089	KDELC1	1464	1749	10.8461083941
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NM_001012664	SLC3A2	248	597	9.16862555063
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NM_003098	SNTA1	610	653	6.24573738342
NM_003095	SNRPF	276	389	4.80104184636
NM_003095	SNRPF	49	273	5.57864942503
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NM_003096	SNRPG	114	166	2.73724818843
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NM_003090	SNRPA1	923	1008	5.43338647782
NM_003090	SNRPA1	465	500	5.01433137837
NM_003090	SNRPA1	54	115	3.4333862419
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NM_003093	SNRPC	946	1020	7.46704984332
NM_003093	SNRPC	579	684	6.61905293677
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NM_003093	SNRPC	528	578	4.29711811083
NM_003092	SNRPB2	546	642	3.34879604253
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NM_003092	SNRPB2	487	546	4.34879604275
NM_003092	SNRPB2	992	1081	4.93375830755
NM_003092	SNRPB2	326	424	5.93375854347
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NM_002858	ABCD3	811	932	6.83926973073
NM_002858	ABCD3	1447	1541	7.53970944887
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NM_002858	ABCD3	1090	1140	6.16119782539

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NM_002858	ABCD3	3051	3122	5.83926973073
NM_002858	ABCD3	661	734	5.42423223145
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NM_002858	ABCD3	1544	1618	5.42423223145
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NM_178815	ARL5B	2752	2821	7.87706304233
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NM_178815	ARL5B	1825	1897	7.87706303478
NM_178815	ARL5B	240	343	9.09945546367
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NM_024552	CERS4	1063	1177	8.52578418491
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NM_005499	UBA2	1109	1159	3.61399623449	
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NM_018447	TMEM111	412	521	8.93817785132	
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NM_018449	UBAP2	2581	2651	6.87581851721
NM_018449	UBAP2	1701	1778	7.2908562524
NM_018449	UBAP2	291	384	5.29085624485
NM_018449	UBAP2	1843	1979	7.87581875313

NM_018449	UBAP2	2042	2218	8.09821117446
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NM_018449	UBAP2	3808	4008	8.2908562524
NM_018119	POLR3E	228	291	4.04861950118
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NM_018119	POLR3E	1436	1578	5.04861950118
NM_018119	POLR3E	996	1139	4.04861949364
NM_130468	CHST14	1638	1678	9.9695169408
NM_130468	CHST14	2108	2157	8.38071059023
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NM_001042410	ANKZF1	1243	1296	4.12600101603
NM_001042410	ANKZF1	951	1021	4.04587940682
NM_014306	C22orf28		1047	1107 6.876444374
NM_014306	C22orf28		1590	1685 5.87644460992
NM_014306	C22orf28		1971	2036 4.87242700974
NM_014306	C22orf28		1686	1747 7.68379953197
NM_014306	C22orf28		879	927 4.876444374
NM_014306	C22orf28		971	1041 7.68379953197
NM_014306	C22orf28		810	871 5.8762708596
NM_014306	C22orf28		661	785 4.87644460992
NM_014306	C22orf28		1425	1511 7.68379953197
NM_014306	C22orf28		1107	1263 8.33587622855
NM_014306	C22orf28		469	561 7.1983727048
NM_014306	C22orf28		351	453 7.1983727048
NM_014306	C22orf28		1278	1415 7.46140711064
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NM_001190214	PPIP5K1	1214	1268	7.70498358401
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NM_014300	SEC11A	598	677	3.48474561956
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NM_014300	SEC11A	1321	1401	2.89978311884
NM_014303	PES1	1383	1449	5.84521259669
NM_014303	PES1	93	166	6.34603589557
NM_014303	PES1	189	245	6.43000135464
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NM_014303	PES1	533	623	6.84521260424
NM_014303	PES1	1282	1352	5.84119500406
NM_014302	SEC61G	44	264	5.60430785371
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NM_001204368	MGST2	206	630	6.8848329683
NM_005671	UBXN8	769	840	8.35654710927
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NM_001830	CLCN4	436	493	10.5562452505
NM_001830	CLCN4	1194	1253	11.5522278862
NM_001830	CLCN4	1100	1143	11.5562387553
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NM_001830	CLCN4	1385	1432	10.5522278862
NM_001830	CLCN4	922	978	11.5562454864
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NM_001830	CLCN4	4687	4822	11.5562454864
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NM_152531	C3orf21	766	804	8.77881582139
NM_152531	C3orf21	615	667	10.3677956864
NM_001034194	EXOSC9	719	780	3.79544551719
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NM_001034194	EXOSC9	197	300	5.38442561809
NM_016048	ISOC1	1304	1363	5.64655160742
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NM_016048	ISOC1	917	970	6.65056247654
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NM_016049	FAM158A	452	489	5.87185353814
NM_016040	TMED5	2163	2253	3.41365849478
NM_016040	TMED5	3798	3864	2.67669290061
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NM_016040	TMED5	3582	3695	4.55116201853
NM_016040	TMED5	1947	1984	3.4096408946
NM_016040	TMED5	2045	2141	2.09173039989
NM_016040	TMED5	1048	1157	4.09173039989
NM_016040	TMED5	5181	5248	1.08771279972
NM_016040	TMED5	1867	1931	1.09173039967
NM_016040	TMED5	1380	1415	2.0075911905
NM_016040	TMED5	1544	1625	3.09173039989
NM_016040	TMED5	2918	2967	2.67267530044
NM_016040	TMED5	3066	3241	5.33965791333
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NM_016040	TMED5	1223	1374	4.67669290061
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NM_016041	DERL2	796	856	5.99781930108
NM_016041	DERL2	24	74	5.99798632034
NM_016041	DERL2	473	578	7.9979930514
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NM_016041	DERL2	589	691	6.5829553162
NM_016042	EXOSC3	625	707	4.59021509251
NM_016044	FAHD2A	741	812	7.98324517736
NM_016045	SLM02	438	487	4.26377297238
NM_016045	SLM02	1350	1398	5.93287444657
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NM_016045	SLM02	650	753	5.93287468249
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NM_016047	SF3B14	241	339	2.69323855683
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NM_018231	SLC38A7	411	459	10.2134482857
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NM_001111322	DDX54	687	785	6.25575653529
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NM_000629	IFNAR1	1927	2003	8.06269573055
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NM_001134673	NFIA	358	406	10.3097410099
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NM_014165	NDUFAF4	240	286	6.81019455703
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NM_198830	ACLY	1082	1176	6.23098685965
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NM_198830	ACLY	77	293	7.89395187237
NM_198830	ACLY	2097	2570	9.03834178171
NM_198830	ACLY	1624	2094	8.89395187237
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NM_001242883	CARKD	2206	2262	8.73688439037
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NM_003937	KYNU	8	66	5.72771721021
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NM_016226	VPS29	55	130	6.96981552069
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NM_016220	ZNF107	2600	2622	11.5992212262
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NM_016221	DCTN4	2320	2360	5.38291562877
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NM_018233	OGFOD1	62	97	6.25756070841
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NM_018233	OGFOD1	699	789	6.84269695945

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NM_016223	PAC SIN3	815	854	4.90954771492
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NM_001080950	MY01C	331	414	7.61110378428
NM_001080950	MY01C	117	165	5.61109705323
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NM_001080953	PLAGL1	1711	1755	10.7579299052
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NM_138639	BCL2L12	1122	1190	7.98468284092
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NM_003938	AP3D1	4658	4715	5.28109077168
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NM_205861	DHDDS	740	795	6.87783007786	
NM_032590	KDM2B	3988	4071	8.57645850405	
NM_003939	BTRC	1007	1083	6.26946717155	
NM_194326	RPS19BP1		655	697	3.31254025429
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NM_032591	SLC9A7	740	812	9.94079357592	
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NM_134323	TARBP2	828	904	9.11642708784	
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NM_032593	HINT2	141	195	6.54832801029	
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NM_001008	RPS4Y1	286	315	2.0720024035	
NM_001009	RPS5	17	207	5.08836362385	
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NM_004078	CSRP1	844	929	11.6309197851	
NM_004078	CSRP1	569	630	10.8235648628	
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NM_004079	CTSS	1335	1376	11.7526232129	
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NM_004079	CTSS	1061	1088	10.2477823214
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NM_004079	CTSS	520	564	11.2517931905
NM_004079	CTSS	658	704	11.8367556913
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NM_004079	CTSS	1279	1334	11.8367556913
NM_004079	CTSS	994	1046	11.8327448221
NM_004079	CTSS	1620	1659	10.2517931905
NM_004079	CTSS	255	314	13.2517999216
NM_004079	CTSS	729	788	11.2517931905
NM_004079	CTSS	2907	2960	10.251799914
NM_004079	CTSS	1090	1215	11.8367624223
NM_004079	CTSS	789	887	11.8367624223
NM_001004	RPLP2	356	472	1.46984831182
NM_001004	RPLP2	59	356	3.46984831182
NM_001005	RPS3	781	848	1.26909082391
NM_001005	RPS3	69	593	4.01325191948
NM_001005	RPS3	598	722	1.64760244717
NM_001554	CYR61	1512	1591	9.5933555023
NM_001554	CYR61	1321	1391	7.78599384919
NM_001554	CYR61	1255	1297	7.70186137086
NM_001554	CYR61	1615	1690	6.78600058002
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NM_001554	CYR61	145	223	7.78600057269
NM_001554	CYR61	1112	1247	9.5933555023
NM_001554	CYR61	746	850	8.78600058024
NM_001554	CYR61	678	741	8.78600034432
NM_001554	CYR61	929	1063	9.5933555023
NM_001554	CYR61	1401	1512	8.37096308096
NM_001554	CYR61	443	559	7.78600058024
NM_001007	RPS4X	286	378	3.1711510551
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NM_001003	RPLP1	389	510	3.9603371003
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NM_022121	PERP	1451	1644	10.3913726427
NM_022121	PERP	1398	1440	5.13942752906
NM_022121	PERP	1649	1791	8.84388484737
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NM_145112	MAX	1077	1132	6.84618565393
NM_145112	MAX	1862	1904	8.51511361371
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NM_005119	THRAP3	2435	2528	4.63683116174
NM_005119	THRAP3	1338	1438	5.95875925662
NM_005119	THRAP3	1267	1324	3.63683116173
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NM_005119	THRAP3	3138	3208	3.63665741142
NM_005119	THRAP3	638	752	6.80675616318
NM_005119	THRAP3	2134	2227	4.63683116174

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NM_005119	THRAP3	516	617	3.63683116174
NM_005119	THRAP3	31	118	6.22179366246
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NM_005116	SLC23A2	2805	2864	6.47734472284
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NM_005116	SLC23A2	487	550	5.15926047781
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NM_014972	TCF25	611	661	3.86748108155
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NM_014972	TCF25	1519	1554	3.86347021243
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NM_213560	PKN1	726	758	4.57695103772
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NM_001033088	NGRN	1232	1296	5.84307419848
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NM_173473	ANAPC16	242	342	7.21260715374

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NM_173470	MMGT1	1289	1318	8.32024366702
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NM_173470	MMGT1	575	606	9.40437614535
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NM_001002926	TWISTNB	332	403	8.60816011771
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NM_001967	EIF4A2	1826	1881	2.63784990477
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NM_004446	EPRS	414	455	5.01640845119
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NM_004446	EPRS	457	524	6.60538855209
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NM_004446	EPRS	238	353	6.02042605137
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NM_004446	EPRS	2008	2118	5.75739164553
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NM_004444	EPHB4	969	995	6.52971510144
NM_004444	EPHB4	3213	3302	5.61385431083
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NM_012242	DKK1	2	478	12.0854952358
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NM_001960	EEF1D	562	613	1.83366038371
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NM_012248	SEPHS2	167	202	2.50165272282
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NM_012249	RHOQ	481	538	5.79969944873
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NM_022780	RMND5A	2615	2659	4.57623290745
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NM_022780	RMND5A	3002	3058	3.57222203833
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NM_022786	ARV1	174	228	9.6013333759
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NM_201430	RTN3	2063	2128	5.85290504546
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NM_000562	C8A	511	574	6.96414558852
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NM_000565	IL6R	842	886	7.57668548363
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NM_014970	KIFAP3	1972	2028	7.59101833908

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NM_030954	RNF170	886	949	5.01701727073
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NM_030952	NUAK2	2537	2601	10.8975768795
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NM_182758	WDR72	5130	5175	11.4704173166
NM_182758	WDR72	4106	4148	11.3862783431
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NM_001134335	EIF2AK1	223	281	4.16276660991
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NM_001134335	EIF2AK1	1812	1894	3.57780410919
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NM_001618	PARP1	355	409	5.81126785818
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NM_004228	CYTH2	1573	1636	5.35076439782
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NM_004999	MY06	5081	5141	7.37482638538
NM_004999	MY06	4917	4976	6.78986388465
NM_004999	MY06	2021	2079	7.290687176
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NM_004999	MY06	2315	2407	7.37482638537
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NM_004999	MY06	515	594	6.78986388444
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NM_004998	MY01E	422	489	7.3378394198
NM_004995	MMP14	3485	3535	8.28712909678
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NM_004995	MMP14	1491	1675	11.6090571919
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NM_001610	ACP2	801	868	8.9204973469
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NM_001610	ACP2	1156	1193	8.42132063824
NM_001610	ACP2	545	778	11.2424254418
NM_001610	ACP2	2019	2130	8.5054598474
NM_001610	ACP2	1923	1998	7.92049734689
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NM_001610	ACP2	137	201	8.92049734689
NM_001610	ACP2	1474	1615	9.50545984762
NM_001610	ACP2	902	1040	9.50545984762
NM_001610	ACP2	242	315	7.92049733935
NM_001610	ACP2	1203	1403	10.2424254418
NM_001610	ACP2	332	501	10.2424254418

NM_001613	ACTA2	348	370	6.1069829141
NM_001613	ACTA2	677	714	7.69194541482
NM_001613	ACTA2	1088	1128	6.10698292164
NM_054012	ASS1	1491	1561	7.02549582289
NM_054012	ASS1	1177	1248	7.02566933728
NM_054012	ASS1	308	417	9.0256695732
NM_054012	ASS1	1400	1466	7.61063183801
NM_054012	ASS1	812	899	8.0256695732
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NM_004991	MECOM	4943	5025	12.6353554658
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NM_001614	ACTG1	422	643	3.7671174377
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NM_004225	MFHAS1	538	609	8.44909942849
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NM_001017964	YDJC	953	1021	10.1494604957	
NM_001017964	YDJC	818	862	8.56048039483	
NM_001017964	YDJC	67	131	8.56432424469	
NM_001017964	YDJC	730	777	8.48035878562	
NM_001017964	YDJC	1090	1171	11.3718529171	

NM_001017964	YDJC	516	561	9.56048039483
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NM_006224	PITPNA	313	346	3.62923078522
NM_006224	PITPNA	1135	1201	4.62923078522
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NM_006224	PITPNA	3134	3180	4.62923078522
NM_001144945	MYL12B	321	419	5.10618316049
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NM_002370	MAGOH	222	274	4.69213727532
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NM_001079518	MED24	2650	2717	7.55389198869
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NM_001079518	MED24	2271	2324	7.13885448942
NM_001079518	MED24	3059	3119	5.55389199624
NM_001079518	MED24	1334	1407	7.55389199624
NM_001079518	MED24	2376	2409	6.54987439607
NM_001079518	MED24	1275	1329	6.55371824593
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NM_001079518	MED24	2813	2906	7.55389199624
NM_001079518	MED24	548	688	7.87582009113
NM_001079518	MED24	1130	1190	6.55389199602
NM_001079518	MED24	1809	1953	7.55389199624
NM_001079518	MED24	1022	1121	5.55389199624
NM_003757	EIF3I	1045	1088	2.29539578685
NM_003757	EIF3I	882	942	2.29155193699
NM_003757	EIF3I	1281	1328	2.29539578685
NM_003757	EIF3I	325	606	4.61749763205
NM_003757	EIF3I	67	323	4.88053203789
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NM_001079514	UBN1	4067	4116	6.04496500418
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NM_001079514	UBN1	5522	5563	5.96484339497
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NM_001079514	UBN1	1053	1124	7.04898260435
NM_001079514	UBN1	1514	1583	6.04496500418
NM_032020	FUCA2	210	313	7.12863666714
NM_032020	FUCA2	1494	1770	9.04617450695
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NM_032020	FUCA2	1911	1957	3.87457245632
NM_032020	FUCA2	1429	1480	5.5435004161
NM_032020	FUCA2	2328	2399	4.95871165815
NM_032020	FUCA2	816	1362	10.3510290885
NM_032020	FUCA2	407	815	9.76606658776
NM_032023	RASSF4	1194	1242	7.34800464748
NM_032023	RASSF4	893	1015	8.08898784182
NM_032023	RASSF4	125	230	7.35202224766
NM_152551	SNRNP48	1166	1228	6.09072544123

NM_152551	SNRNP48	3992	4031	4.09055169846
NM_152551	SNRNP48	378	451	4.09072521286
NM_032025	EIF2A	338	391	3.44497465253
NM_032025	EIF2A	836	904	5.11407636264
NM_032025	EIF2A	520	560	4.11390261232
NM_032025	EIF2A	214	288	2.52910713086
NM_032025	EIF2A	2037	2085	2.529113626
NM_032025	EIF2A	736	795	3.52911386192
NM_032025	EIF2A	910	1209	6.77704137536
NM_032025	EIF2A	106	182	4.11407636242
NM_152881	PTK7	1598	1641	6.93843978559
NM_152881	PTK7	2425	2478	6.93861353591
NM_152881	PTK7	456	510	5.35347728487
NM_032027	TM2D1	567	631	5.82909489851
NM_032027	TM2D1	1021	1068	8.15102948854
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NM_182588	RGPD4	1241	1294	9.09659693189
NM_182588	RGPD4	2613	2646	8.50761706692
NM_182588	RGPD4	3615	3708	8.51163466709
NM_182588	RGPD4	1663	1706	9.09257956764
NM_182588	RGPD4	6022	6097	7.51162793603
NM_182588	RGPD4	3014	3083	9.09642341749
NM_182588	RGPD4	711	793	9.83356276198
NM_182588	RGPD4	1930	2036	7.51163466709
NM_182588	RGPD4	1071	1190	10.0965971678
NM_182588	RGPD4	4336	4423	7.51163443117
NM_182588	RGPD4	2087	2165	7.4274954577
NM_182588	RGPD4	503	615	9.51163466709
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NM_152558	IQCE	2245	2294	10.6682116444
NM_152558	IQCE	2404	2458	12.2493302953
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NM_152558	IQCE	5149	5222	10.6643677946
NM_152889	CHST13	194	251	9.19110212684
NM_152889	CHST13	869	916	9.78008222773
NM_152889	CHST13	82	107	8.19511299596
NM_152889	CHST13	253	314	8.19110212684
NM_152889	CHST13	981	1046	9.78008222773
NM_152889	CHST13	1053	1101	9.19494597669
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NM_152889	CHST13	1704	1791	9.19511972701
NM_152889	CHST13	1640	1683	8.19494597669
NM_152889	CHST13	572	611	8.11098051763
NM_152889	CHST13	706	760	9.19511299596
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NM_018275	C7orf43	1373	1402	9.39067440466
NM_001042532	COASY	1166	1270	5.95187534506
NM_001042532	COASY	2141	2197	5.62994724263
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NM_001042532	COASY	623	663	4.54580804079
NM_001042532	COASY	1949	2029	4.62592965
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NM_001042532	COASY	297	391	3.62994724995
NM_001042532	COASY	1330	1461	6.43730217223
NM_001042532	COASY	148	276	3.62994725018
NM_001042532	COASY	1578	1824	7.62994725018
NM_198951	TGM2	100	154	5.66640967592
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NM_198951	TGM2	1530	1580	7.25119842633
NM_198951	TGM2	1331	1423	6.66640967592
NM_198951	TGM2	243	314	7.24735457647
NM_022662	ANAPC1	3384	3421	6.52559269687
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NM_022662	ANAPC1	4452	4498	4.944474046
NM_022662	ANAPC1	3916	3956	6.44547108766
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NM_022662	ANAPC1	783	839	5.94464106527
NM_022662	ANAPC1	3064	3118	6.52960356599
NM_022662	ANAPC1	487	572	6.52961029704
NM_022662	ANAPC1	2317	2372	6.52961029704
NM_022662	ANAPC1	5261	5302	6.52559269687
NM_022662	ANAPC1	4375	4447	6.52943654672
NM_022662	ANAPC1	3128	3202	6.94464106527
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NM_016028	SUV420H1		646	709	3.99804961643
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NM_016029	DHRS7	484	543	7.40237855984	
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NM_016026	RDH11	455	533	7.24658143404	
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NM_016027	LACTB2	296	340	8.25112417751	
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NM_016024	RBMX2	312	361	4.6890182782	
NM_016023	OTUD6B	1127	1157	7.21640094126	
NM_016020	TFB1M	262	367	6.73638888802	
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NM_015050	FTSJD2	1142	1223	6.70818423041	
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NM_015051	ERP44	513	582	5.49114010413	

NM_015051	ERP44	73	134	4.90618433446	
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NM_015056	RRP1B	2787	2838	5.4577064818	
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NM_015056	RRP1B	2495	2630	7.78365216931	
NM_015057	MYCBP2	4619	4662	7.58511799677	
NM_015057	MYCBP2	12547	12585	7.58110712765	
NM_015057	MYCBP2	1704	1758	7.50098551844	
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NM_015054	UHRF1BP1L		3926	4028	8.33773513777
NM_015054	UHRF1BP1L		1970	2009	8.25359592861
NM_015055	SWAP70	2266	2302	5.78129477095	
NM_015055	SWAP70	823	919	4.78146179022	
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NM_015055	SWAP70	2403	2463	4.7774509211	
NM_033198	PIGS	1228	1282	7.30778549033	
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NM_001082579	RBF0X2	722	779	6.3619302121	
NM_004846	EIF4E2	221	308	3.19567038565	
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NM_001018111	PODXL	975	1026	11.8114085619
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NM_001018112	FANCA	250	327	7.85872413807
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NM_025207	FLAD1	1355	1414	8.36085669557
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NM_025207	FLAD1	680	842	10.6827850264
NM_001018115	FANCD2	1353	1416	9.2425270262
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NM_018339	RFK	493	565	7.77148364758
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NM_138501	TECR	1023	1079	7.74601714586
NM_138501	TECR	423	983	10.2605903187
NM_138501	TECR	31	410	9.89285853418
NM_001134439	PHLDB2	5473	5552	8.24279309881
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NM_001134439	PHLDB2	1902	1990	6.24278636798
NM_001134439	PHLDB2	3476	3572	8.24278636798
NM_001134439	PHLDB2	1175	1244	6.24279309149
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NM_001134430	TOR2A	801	862	9.14879139947
NM_001134430	TOR2A	1143	1210	10.7339276503
NM_001134430	TOR2A	879	944	10.1489651422
NM_001570	IRAK2	874	912	7.76134409725
NM_001570	IRAK2	1124	1163	7.68122248804
NM_001570	IRAK2	1175	1223	9.76536169742
NM_001570	IRAK2	2506	2569	7.68122248804
NM_001570	IRAK2	2604	2666	9.35031746709
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NM_001570	IRAK2	2877	2924	7.68122248804
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NM_001570	IRAK2	3048	3107	7.76134409725
NM_001570	IRAK2	87	202	10.0872897923
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NM_004052	BNIP3	666	803	3.3177340331
NM_004053	BYSL	1340	1386	6.1149574212
NM_004053	BYSL	1084	1167	5.11495742098
NM_004053	BYSL	694	749	5.11093982103
NM_004058	CAPS	1015	1065	11.8378494637
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NM_004058	CAPS	553	675	12.2528869705
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NM_000224	KRT18	220	267	4.03938770174
NM_000224	KRT18	62	204	6.24102156291
NM_000224	KRT18	307	1016	8.14372436155
NM_000224	KRT18	1020	1446	7.17689122549
NM_000221	KHK	852	916	3.73053727637
NM_000221	KHK	517	570	3.73036376198
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NM_001136499	ZNF841	202	240	6.87996896748
NM_021640	C12orf10		626	691 7.95730673075
NM_021640	C12orf10		875	939 6.28820525656
NM_017770	ELOVL2	3109	3191	7.47199889938
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NM_017770	ELOVL2	517	603	8.79392699427
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NM_017770	ELOVL2	2887	2928	6.46798129921
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NM_017770	ELOVL2	851	917	7.47182514906
NM_017770	ELOVL2	1731	1822	8.0569614001
NM_017770	ELOVL2	605	809	10.1724386175
NM_017770	ELOVL2	1238	1336	6.47199889938
NM_017770	ELOVL2	2253	2342	7.47199889938
NM_017770	ELOVL2	1857	1941	6.47199889938
NM_017770	ELOVL2	917	972	6.46798129921
NM_017770	ELOVL2	202	439	10.8643163222
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NM_032824	TMEM87B	1741	1843	8.42860108586
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NM_016587	CBX3	566	707	4.61635546685
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NM_015859	GTF2A1	3972	4034	4.86855112921
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NM_003850	SUCLA2	1415	1477	4.66292534724
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NM_003859	DPM1	399	449	2.93574419698
NM_003859	DPM1	272	327	3.01586580619
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NM_017988	SCYL2	948	1009	7.91677772717
NM_017988	SCYL2	461	506	6.24767601706
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NM_017988	SCYL2	1472	1537	7.33180849539
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NM_017988	SCYL2	1985	2059	6.32779762628
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NM_198488	FAM83H	383	426	11.4972370016
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NM_198488	FAM83H	67	140	9.4933931517
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NM_002106	H2AFZ	72	237	4.44576455184
NM_002106	H2AFZ	238	920	7.09346280791
NM_002107	H3F3A	580	719	5.14736659556
NM_002107	H3F3A	59	149	3.44692687742
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NM_002103	GYS1	3557	3604	7.25801980332
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NM_002103	GYS1	3276	3329	7.25819355342
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NM_002103	GYS1	1146	1311	9.84315605436
NM_002103	GYS1	872	974	8.25819355364
NM_002103	GYS1	3334	3405	8.83913845419
NM_002103	GYS1	545	658	7.25819355364
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NM_001242617	NXT2	2461	2581	6.67214387726
NM_198484	ZNF621	1846	1914	8.03956598685
NM_001184965	WDR44	2235	2280	9.18646615251
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NM_024045	DDX50	1811	1893	6.42448730463	
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NM_001136265	IFFO2	1809	1880	7.50176516672	
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NM_001205254	OCLN	290	354	7.37744233358	
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NM_078473	TM2D2	994	1069	8.57353777529
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NM_030939	C6orf62	2301	2343	7.09867994605
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NM_002816	PSMD12	1097	1183	4.63791925671
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NM_002814	PSMD10	172	222	4.94373303997
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NM_002815	PSMD11	3469	3506	3.7920550609
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NM_002810	PSMD4	778	853	5.85176537227
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NM_002811	PSMD7	1454	1532	3.03969516762
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NM_002818	PSME2	765	805	5.67756075243
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NM_002819	PTBP1	1952	2010	4.362774444
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NM_024596	MCPH1	2620	2669	7.18926812695
NM_024595	AKIRIN1	2356	2417	5.76773317053
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NM_024594	PANK3	2186	2248	4.42350358457
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NM_024598	C16orf57		244	302 8.21547585024
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NM_080927	DCBLD2	471	620	10.1418996698
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NM_005455	ZRANB2	954	1021	4.02464654394	
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NM_005455	ZRANB2	487	604	5.02465327498	
NM_005455	ZRANB2	372	446	5.60961577571	
NM_005452	WDR46	1398	1452	5.82259572413	
NM_005452	WDR46	1483	1551	5.23763323095	
NM_005452	WDR46	741	777	5.15349402157	
NM_005452	WDR46	1060	1128	5.23361563078	
NM_005452	WDR46	1339	1393	5.82259573168	
NM_005452	WDR46	810	999	5.82259573168	
NM_005452	WDR46	1136	1229	6.23763323096	
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NM_080821	C20orf108		422	480	7.04031134902
NM_080821	C20orf108		634	689	7.04031134881
NM_080821	C20orf108		2502	2597	7.45534861239
NM_080821	C20orf108		1646	1737	5.45534211725
NM_080820	DTD1	327	391	2.92997636166	
NM_080820	DTD1	239	321	4.93399396183	
NM_080822	OVCA2	695	783	10.5123262963	

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NM_003677	DENR	2068	2137	2.16224996301	
NM_003677	DENR	1770	1825	3.07828450394	
NM_003677	DENR	1525	1596	3.74738621405	
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NM_003677	DENR	2423	2486	2.15840611315	
NM_003677	DENR	1133	1179	2.16242371333	
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NM_003676	DEGS1	65	101	6.95766667287	
NM_003676	DEGS1	195	939	14.0973917756	
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NM_003670	BHLHE40	1878	1996	6.05066738992	
NM_003670	BHLHE40	1728	1791	3.72873905911	
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NM_003670	BHLHE40	1393	1522	6.31370179575	
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NM_003670	BHLHE40	2665	2773	3.72873929503	
NM_018407	LAPTM4B	1774	1843	6.29303072277	
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NM_018405	C17orf79		215	290	4.30745369866
NM_018405	C17orf79		613	695	6.30745369866
NM_018405	C17orf79		346	477	7.47737870011
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NM_005638	VAMP7	256	309	8.22318827127	
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NM_005632	SOLH	4411	4449	9.47340407838	
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NM_005632	SOLH	2113	2190	8.88861532797	
NM_005632	SOLH	2982	3070	9.88861532798	
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NM_005631	SMO	1307	1366	7.12307935201	
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NM_005631	SMO	2064	2140	7.12709695218	
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NM_005637	SS18	169	232	7.71438189382
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NM_152716	PATL1	2383	2424	5.68359396114
NM_152716	PATL1	2620	2677	4.76773317053
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NM_152716	PATL1	4002	4066	7.08966126542
NM_152716	PATL1	3816	3857	4.76755942021
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NM_152716	PATL1	828	884	4.76773317052
NM_152716	PATL1	136	229	5.76773317053
NM_152716	PATL1	1166	1246	6.3526956637
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NM_032221	CHD6	6067	6128	5.21136761009
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NM_032221	CHD6	5617	5692	5.12740215102
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NM_032227	TMEM164	3860	3929	10.5811836674
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NM_032227	TMEM164	265	385	11.5811903985
NM_032227	TMEM164	5344	5491	12.9031184933
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NM_152718	VWCE	1595	1651	5.25707963982

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NM_138701	C7orf11	430	481	5.5897743592	
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NM_001144929	NKIRAS2	330	395	6.0285657109	
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NM_003844	TNFRSF10A		1171	1249	9.9139530672
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NM_024109	METTTL22	1180	1266	6.28685479881	
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NM_015697	COQ2	366	423	6.91366397042
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NM_015690	STK36	4746	4840	9.65482550934
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NM_212552	BOLA3	325	429	5.09970909505
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NM_152444	PTGR2	360	454	7.76858998047
NM_152444	PTGR2	515	573	6.76841623016
NM_152444	PTGR2	944	993	5.68445077109
NM_152444	PTGR2	247	288	5.76841623016
NM_212554	METTL10	306	342	8.858864788
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NM_001144072	UBAC2	1336	1378	5.59874900994
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NM_001144072	UBAC2	2020	2088	5.59892276026
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NM_016004	IFT52	1398	1458	8.01783041664
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NM_016001	UTP18	514	580	6.2363721762
NM_016001	UTP18	1314	1392	6.23637889971
NM_016001	UTP18	1447	1492	4.65141617062
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NM_016002	SCCPDH	1418	1477	7.32935086817

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NM_015070	ZC3H13	3385	3435	4.227580737	
NM_015071	ARHGAP26		711	784	7.44856635212
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NM_015073	SIPA1L3	1386	1438	8.70320991625	
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NM_015076	CDK19	2433	2489	8.7048265311	
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NM_015076	CDK19	242	287	6.29875922683	
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NM_138358	C19orf52		610	657 7.62416408428
NM_173809	BLOC1S2	295	377	6.18100363482
NM_173809	BLOC1S2	708	752	3.85890178961
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NM_173804	TMEM86B	1156	1247	11.2874268927
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NM_001018136	NME1-NME2		58	96 1.50458721337
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NM_145754	KIFC2	1264	1320	8.93807998541
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NM_033318	C22orf32		264	301 5.32345042597
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NM_030773	TUBB1	640	670	7.07841450977
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NM_033315	RASL10B	1355	1429	7.62763529888
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NM_033316	MFI2	1270	1326	8.8972295218
NM_033316	MFI2	305	355	8.3124407714
NM_199054	MKNK2	2985	3071	5.71372075651
NM_199054	MKNK2	1632	1681	4.12858450547
NM_199054	MKNK2	1050	1111	6.12875825579
NM_199054	MKNK2	2338	2401	4.12474065561
NM_199054	MKNK2	2095	2128	4.12875824824
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NM_199054	MKNK2	646	725	5.12875825579
NM_199054	MKNK2	321	386	5.71372075651
NM_199054	MKNK2	3670	3720	6.12875825579
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NM_024055	SLC30A5	924	956	8.32227134836	
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NM_001024946	ASL	441	516	6.3964567115	
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NM_000712	BLVRA	383	491	8.5059462313
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NM_145201	NAPRT1	950	1007	10.9514519579
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NM_024908	WDR76	1655	1716	8.82736522423
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NM_006387	CHERP	3409	3503	7.58330352596
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NM_006387	CHERP	830	931	9.1682660269
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NM_006389	HYOU1	4340	4434	5.6023810611
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NM_006389	HYOU1	2940	3017	3.60220731078
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NM_006389	HYOU1	2569	2724	7.06181267974
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NM_001161662	WWC1	3769	3835	7.49622857321
NM_001161662	WWC1	2539	2580	7.416106964
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NM_001185	AZGP1	685	723	1.89971898379
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NM_002710	PPP1CC	1155	1208	0.884058314513
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NM_002715	PPP2CA	1808	2021	8.52796350301
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NM_002717	PPP2R2A	1615	1684	3.88266697929
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NM_002719	PPP2R5C	3525	3576	6.27373872752
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NM_001184735	ASTN2	782	857	11.7054641864
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NM_024678	NARS2	2163	2192	4.70890784	
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NM_024675	PALB2	2025	2079	5.53567498647	
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NM_031921	ATAD3B	1791	1824		6.72294362451
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NM_152384	BBS5	1501	1539		7.744458318
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NM_003011	SET	1283	1631		5.09676320762
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NM_003468	FZD5	3936	4009	6.84040786462
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NM_003468	FZD5	540	704	8.42554411566
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NM_080664	C14orf126		1042	1091 6.54443688426
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NM_015268	DNAJC13	477	592	7.14125022907
NM_015268	DNAJC13	4610	4672	7.13723263645
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NM_003581	NCK2	2072	2127	7.71569101382
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NM_003581	NCK2	729	780	5.38974531876
NM_003581	NCK2	2304	2362	6.38974531876
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NM_003581	NCK2	1978	2046	6.97872541965
NM_003581	NCK2	67	407	9.91732487499
NM_003581	NCK2	1655	1716	6.30962370955
NM_018344	SLC29A3	579	662	9.93551555038

NM_018344	SLC29A3	1653	1723	8.93551555793
NM_018344	SLC29A3	882	903	8.85137634854
NM_018344	SLC29A3	1246	1303	8.85137634854
NM_018344	SLC29A3	689	770	8.93551555793
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NM_018344	SLC29A3	1059	1173	9.93551555793
NM_018347	C20orf29		590	665 10.2187445873
NM_018347	C20orf29		290	354 10.2187445876
NM_001007027	ALG8	630	657	8.57761476729
NM_001007027	ALG8	1650	1736	9.89954959323
NM_001007027	ALG8	1495	1596	11.2780612165
NM_001007027	ALG8	678	845	12.1011834544
NM_001007027	ALG8	1047	1201	11.5776214983
NM_001007027	ALG8	64	212	11.037053117
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NM_015261	NCAPD3	3733	3764	7.11746623753
NM_015261	NCAPD3	1427	1477	8.19758784674
NM_015261	NCAPD3	1829	1886	10.008960369
NM_015261	NCAPD3	3627	3699	8.78656794763
NM_015261	NCAPD3	2077	2129	8.78255034746
NM_015261	NCAPD3	1991	2072	7.20160521099
NM_015261	NCAPD3	794	861	8.20160543936
NM_015261	NCAPD3	2629	2683	9.20160521099
NM_015261	NCAPD3	729	789	7.20160544669
NM_015261	NCAPD3	3841	3905	7.20160543936
NM_015261	NCAPD3	4207	4293	9.52353353425
NM_015261	NCAPD3	2816	2916	9.20160521099
NM_015261	NCAPD3	2216	2304	8.78656121658
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NM_018340	CPPED1	731	780	5.55698042266
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NM_018340	CPPED1	397	441	4.55296282271
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NM_018342	TMEM144	1489	1552	12.118802307
NM_018342	TMEM144	1088	1134	9.52982220615
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NM_001655	ARCN1	204	374	5.6594855062
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NM_001655	ARCN1	1877	1975	2.65948527029
NM_001655	ARCN1	1750	1865	4.24444800693
NM_001654	ARAF	320	436	9.93032486331
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NM_001654	ARAF	2277	2320	6.84618565393
NM_001654	ARAF	1484	1570	8.51126976386
NM_001654	ARAF	1786	1858	6.92630726314
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NM_001657	AREG	268	431	11.1927249781
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NM_001657	AREG	920	1022	8.02279997662
NM_001657	AREG	1048	1166	9.83015489868
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NM_001657	AREG	754	820	9.34472807151
NM_020746	MAVS	227	279	10.342696464
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NM_020746	MAVS	1562	1597	7.45120233256
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NM_020746	MAVS	10325	10384	7.53534154172
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NM_020746	MAVS	10970	11021	8.53132394177
NM_020746	MAVS	6964	7005	8.53533481089
NM_020746	MAVS	9682	9750	7.5353415344
NM_020746	MAVS	10683	10753	8.53534130603
NM_020746	MAVS	2621	2680	8.53534154195
NM_020746	MAVS	279	443	9.53534154195
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NM_020746	MAVS	8385	8468	9.12030404244
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NM_020748	INTS2	759	787	6.72614076004
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NM_020748	INTS2	339	404	6.72998460989
NM_020748	INTS2	3850	3951	6.73015836021
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NM_001659	ARF3	518	608	6.51828919837
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NM_001658	ARF1	779	843	3.78132361175
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NM_001658	ARF1	1211	1290	4.19636111103
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NM_001658	ARF1	1599	1882	7.05434210615
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NM_198240	CLIP1	46	99	5.72193090513
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NM_016614	TDP2	237	306	5.80436066945
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NM_016617	UFM1	315	373	4.6126965319
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NM_032846	RAB2B	177	260	7.80086809605
NM_001981	EPS15	518	586	6.94694316524
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NM_032842	TMEM209	621	666	8.37601775813	
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NM_001198845	RBM14-RBM4		1451	1529	7.53129803262
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NM_001198844	RBM4	1792	1852	4.49601524726	
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NM_007172	NUP50	4881	4925	4.57766967934	
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NM_144963	FAM91A1	411	457	7.92679807249	
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NM_000386	BLMH	539	603	5.16278293469	
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NM_000387	SLC25A20		766	828	7.53005195636
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NM_000389	CDKN1A	194	243	7.14207875665
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NM_000389	CDKN1A	435	491	8.72704126492
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NM_007178	STRAP	1809	1862	4.97662631814
NM_007178	STRAP	467	569	5.65469822326
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NM_007178	STRAP	596	762	6.3551379414
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NM_014940	MON1B	1353	1408	8.41317746493
NM_014940	MON1B	1571	1617	8.49329907414
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NM_014940	MON1B	2192	2347	10.082279175
NM_016371	HSD17B7	1025	1076	5.65062546047
NM_016371	HSD17B7	768	838	6.65079921078
NM_016371	HSD17B7	536	620	7.97272729813
NM_016371	HSD17B7	840	1024	8.45815413284
NM_014947	FOXJ3	2279	2323	6.04901763066
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NM_001199847	SMURF1	1609	1703	5.75156256773
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NM_138774	C19orf22		1095	1190 10.170275656
NM_138774	C19orf22		1388	1436 8.16625805586
NM_138774	C19orf22		798	849 8.17027542011
NM_138774	C19orf22		174	263 10.4922037509
NM_138774	C19orf22		932	1025 9.17027565603
NM_003875	GMPS	643	724	6.36377519474
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NM_003870	IQGAP1	5263	5328	4.70896177731
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NM_003878	GGH	545	616	7.25730784064

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NM_001242361	NRD1	2987	3140	6.72819128096	
NM_001242361	NRD1	705	826	5.50579885961	
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NM_024067	C7orf26	358	446	9.59138616556	
NM_024067	C7orf26	111	153	7.92228445546	
NM_024067	C7orf26	1581	1627	9.59138615801	
NM_024067	C7orf26	521	586	9.00641693379	
NM_024067	C7orf26	591	694	9.00642366484	
NM_001164762	PRKAR1B	195	250	7.80230239257	
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NM_001164762	PRKAR1B	1381	1480	8.12423048746	
NM_001164762	PRKAR1B	957	983	5.71816318318	
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NM_024065	PDCL3	681	737	4.7480930142	
NM_024063	SPATA5L1		1451	1552	8.60914138523
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NM_024063	SPATA5L1		1379	1420	7.02016128434
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NM_000051	ATM	3276	3333	7.42304801307	
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NM_173569	UBN2	1847	1899	8.26145990376	

NM_173569	UBN2	9016	9092	8.25761605391
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NM_000053	ATP7B	3213	3253	6.17223207813
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NM_000053	ATP7B	4040	4084	8.16822120901
NM_000053	ATP7B	3681	3750	7.17206505887
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NM_145698	ACBD5	179	253	8.27731284312
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NM_173561	UNC5CL	2553	2721	13.9266208945
NM_003035	STIL	229	283	8.47677552903
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NM_173562	KCTD20	2506	2554	6.383788149
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NM_145693	LPIN1	1158	1205	7.26112030006
NM_145690	YWHAZ	859	943	3.73185634691
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NM_145690	YWHAZ	1165	1240	1.85738722899
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NM_145690	YWHAZ	2287	2474	3.44234972971
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NM_145690	YWHAZ	144	546	5.55782694713
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NM_025191	EDEM3	3197	3234	7.71809934691
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NM_025191	EDEM3	4814	4881	7.13698069605
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NM_025191	EDEM3	763	813	6.13313684619
NM_025191	EDEM3	1741	1887	9.94450936842
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NM_025191	EDEM3	4162	4259	7.72211694708
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NM_025193	HSD3B7	409	481	9.71314543786
NM_025193	HSD3B7	250	329	8.12818293692
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NM_025194	ITPKC	1279	1332	5.96811383416
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NM_025195	TRIB1	1718	1778	6.63832650018
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NM_025196	GRPEL1	213	319	2.95902045362
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NM_025196	GRPEL1	959	1000	2.95901372258
NM_025196	GRPEL1	134	206	2.28991874353
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NM_001003678	C11orf49		347	406 11.1112339176
NM_001080123	PRNP	648	711	4.97886781423
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NM_001080123	PRNP	1245	1301	5.97886780668
NM_001080123	PRNP	915	1000	6.56383031495
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NM_001080123	PRNP	1301	1355	5.55981271478
NM_001080123	PRNP	233	329	5.97886781423
NM_001080123	PRNP	1685	1719	3.97485021406
NM_001080123	PRNP	721	781	5.56383031495
NM_001080123	PRNP	1123	1216	5.97886781423
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NM_003384	VRK1	234	283	6.66227869507
NM_003384	VRK1	1254	1339	5.66227869507
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NM_003380	VIM	340	384	9.00824241204
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NM_153371	LNx2	261	327	6.61541869164
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NM_153377	LRIG3	267	300	9.78065326489
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NM_153377	LRIG3	2264	2430	11.1997083643
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NM_001195738	C1orf93	838	899	8.25485767318
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NM_001195738	C1orf93	429	500	8.25084007323
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NM_001100409	SENP6	1990	2077	5.33785881178

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NM_003234	TFRC	5167	5224	3.49735179731
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NM_003234	TFRC	3004	3185	6.16031681004
NM_003234	TFRC	4066	4208	4.49735179732
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NM_003234	TFRC	3305	3456	5.8192798922
NM_003234	TFRC	264	2762	11.051940649
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NM_001101800	FAM13B	2898	2961	6.71108076634
NM_001100400	PDS5A	2116	2191	7.76116731498
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NM_001195731	CHPF	1858	1943	5.56749094145
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NM_001195733	PIP5K1C	2572	2627	9.00497714883
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NM_001195733	PIP5K1C	468	541	10.5939572422
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NM_014503	UTP20	1934	1983	7.8492295433
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NM_014503	UTP20	3937	4006	7.85324714347
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NM_014503	UTP20	4488	4531	7.85324690756
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NM_014502	PRPF19	766	838	6.77722634747
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NM_014502	PRPF19	1366	1674	9.45529825258
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NM_014502	PRPF19	246	312	6.04025402225
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NM_014501	UBE2S	398	458	6.43991230134
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NM_014501	UBE2S	526	757	9.52737514259
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NM_014500	HTATSF1	695	778	6.13951840702
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NM_005439	MLF2	567	636	5.13583930073
NM_005439	MLF2	1298	1390	5.13583930828
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NM_014506	TOR1B	715	750	7.15790955884
NM_014506	TOR1B	2135	2185	6.57294033461
NM_014506	TOR1B	1736	1839	5.57294705812
NM_014506	TOR1B	639	677	5.5689294655
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NM_014504	RABGEF1	2565	2609	6.86113811801
NM_014504	RABGEF1	1169	1228	6.94527059634
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NM_005435	ARHGEF5	3337	3400	10.863866134
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NM_005437	NCOA4	3434	3481	3.38204594809
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NM_005436	CCDC6	1001	1066	6.77742001712
NM_005436	CCDC6	3619	3670	6.1924575164
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NM_005436	CCDC6	2023	2077	5.1926310308
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NM_005436	CCDC6	1864	1930	6.1926310308
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NM_005431	XRCC2	1711	1739	9.35482933248
NM_005433	YES1	2715	2752	3.53952740337
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NM_005433	YES1	4027	4111	4.62366661276
NM_005433	YES1	1057	1125	4.62366660521
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NM_005433	YES1	2035	2155	4.62366661276
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NM_005432	XRCC3	1666	1719	10.0314894998
NM_021994	ZNF277	1226	1275	5.16941484168
NM_021994	ZNF277	958	1039	6.25355404351
NM_003128	SPTBN1	3658	3768	4.81472372363
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NM_001202439	B7H6	3314	3371	8.53293253358
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NM_001202439	B7H6	2628	2727	8.53293253358
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NM_004240	TRIP10	729	776	4.20757839532
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NM_001202431	PRDX1	885	1001	4.84319854375
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NM_152592	C14orf49		2484	2535 9.19181994637
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NM_001079559	HNRNPUL2		1508	1553 5.20852371205
NM_001079559	HNRNPUL2		1573	1639 4.62356121133
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NM_001079559	HNRNPUL2		4862	4915 4.62338746101
NM_001079559	HNRNPUL2		2288	2398 5.94548930622
NM_001079559	HNRNPUL2		745	785 4.53942200195
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NM_001163809	WDR81	999	1085	8.65444814472
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NM_018287	ARHGAP12		3496	3532 5.60256184738
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NM_018289	VPS53	1765	1824	6.35374377901
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NM_000940	PON3	863	942	9.9464311981
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NM_015012	TMEM41B	1998	2064	7.6258138215
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NM_173825	RABL3	419	489	7.46374615479
NM_173827	COX18	733	801	11.6487732876
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NM_173829	SREK1IP1		198	236 6.66618271912
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NM_003904	ZNF259	575	635	4.30600046449
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NM_024121	TMEM185B		1842	1869	10.5959502895
NM_024121	TMEM185B		2281	2350	9.67607189871
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NM_030783	PTDSS2	592	628	5.6904969477	
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NM_030782	CLPTM1L	1687	1866	8.04861492637	
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NM_030780	SLC25A32		662	758	6.60411844367
NM_017882	CLN6	267	368	11.0152283726	
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NM_017737	FNBP1L	52	137	3.38611410444
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NM_017736	THUMPD1	843	892	5.20149795732
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NM_017887	C1orf123		114	164 6.57054123755
NM_017730	QRICH1	1297	1344	5.72065559854
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NM_017733	PIGG	286	380	9.15637754
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NM_004697	PRPF4	1636	1720	5.30167731226
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NM_001002860	BTBD7	8289	8365	9.57054471519
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NM_001903	CTNNA1	1527	1582	3.79288789256
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NM_001903	CTNNA1	63	120	3.79271414224
NM_001903	CTNNA1	2155	2210	4.20792539183
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NM_001903	CTNNA1	3393	3462	4.20792539184
NM_001903	CTNNA1	2360	2395	2.12378618246
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NM_001903	CTNNA1	2843	2997	5.52985348673
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NM_003584	DUSP11	295	357	8.65989472413
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NM_181313	TAZ	792	828	7.43016298268
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NM_016286	DCXR	675	767	5.46036704406
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NM_016287	HP1BP3	3562	3632	7.21648473534
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NM_024650	C11orf80		1050	1099 8.73244438753
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NM_001077180	METTTL9	1150	1208	7.87799345941
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NM_015666	GTPBP5	166	213	6.71989334042
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NM_001171988	AGA	1110	1165	5.58721156034	
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NM_018292	QRSL1	1317	1361	6.73907689698	
NM_018362	LIN7C	2309	2355	3.89743433527	
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NM_015246	MGRN1	1375	1453	5.56253746594
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NM_018364	RSBN1	1284	1367	8.12459468904
NM_018369	DEPDC1B	662	721	8.03405908838
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NM_018368	LMBRD1	2093	2150	4.81433352168
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NM_001008938	CKAP5	3610	3708	6.46405121945
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NM_001008938	CKAP5	3959	4021	5.46003361928
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NM_001008938	CKAP5	4852	4902	4.46387746913
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NM_019013	FAM64A	37	124	10.5844179055	
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NM_019015	CHPF2	1759	1809	7.12903857939	
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NM_019015	CHPF2	3225	3272	7.12903857939	
NM_019015	CHPF2	1573	1603	8.12903857939	
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NM_005178	BCL3	1696	1741	9.42274961583	
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NM_001204468	RBM10	2944	3026	4.96384500284
NM_005174	ATP5C1	674	722	4.3284626352
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NM_005175	ATP5G1	416	485	9.55768979884
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NM_178156	FUT8	1613	1698	8.4117109999
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NM_178156	FUT8	2047	2273	8.99667350062
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NM_005171	ATF1	1501	1548	8.28995793729
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NM_152906	C22orf25		1516	1586 7.90607552302
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NM_001137559	ANAPC5	1702	1750	5.10884398135
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NM_152905	NEDD1	1647	1705	7.67458341714
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NM_152902	TIPRL	310	351	6.08988488366
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NM_053043	RBM33	460	572	4.27783714337
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NM_053043	RBM33	650	724	5.27783714337
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NM_057749	CCNE2	1982	2042	9.94008753021
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NM_004177	STX3	1066	1098	4.75453572338
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NM_001415	EIF2S3	22	122	5.7326160123
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NM_001410	MEGF8	798	818	8.6705129785
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NM_001410	MEGF8	6520	6565	10.2594928435
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NM_001419	ELAVL1	1204	1234	3.61771050315
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NM_022720	DGCR8	2067	2121	7.96522839239
NM_022720	DGCR8	1685	1764	7.37624852741
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NM_022720	DGCR8	4169	4240	7.96505487799
NM_022720	DGCR8	1087	1201	7.9652286283
NM_022720	DGCR8	3989	4066	6.38026612736
NM_022727	TRMT2A	1563	1610	9.45124637595
NM_022727	TRMT2A	567	636	9.451253107
NM_022727	TRMT2A	373	410	8.45107935668
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NM_022098	XPNPEP3	4576	4628	8.58583951346
NM_022098	XPNPEP3	944	983	8.58566576314
NM_022098	XPNPEP3	1792	1848	8.58182191329
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NM_183235	RAB27A	212	266	8.15571081341
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NM_006996	SLC19A2	1223	1256	10.2183358161
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NM_003079	SMARCE1	399	469	3.93818180399
NM_006993	NPM3	119	157	7.32119453669
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NM_006990	WASF2	5337	5425	5.38609114525
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NM_018947	CYCS	2823	2884	1.5020438317
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NM_018946	NANS	475	539	5.59608704144
NM_018944	MIS18A	366	471	8.04607812182
NM_018941	CLN8	315	363	7.01590496343
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NM_018941	CLN8	243	313	8.5968498642
NM_018941	CLN8	1293	1379	8.60086745682
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NM_020830	WDFY1	1419	1473	6.52626880329
NM_020830	WDFY1	536	580	6.53027967241
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NM_020831	MKL1	644	707	9.08578547715
NM_020832	ZNF687	217	301	8.69201143706
NM_001031628	SMAGP	314	378	9.12141638103
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NM_001031623	ZNF451	281	330	5.70225586102
NM_001031623	ZNF451	4981	5020	5.70225586102
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NM_022899	ACTR8	2125	2206	6.27849179429
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NM_014851	KLHL21	1431	1499	9.69930853546
NM_014851	KLHL21	1762	1804	7.69930829954
NM_014851	KLHL21	3703	3747	7.69529093529
NM_014851	KLHL21	3850	3905	7.69529093529
NM_014851	KLHL21	454	525	8.69930853546
NM_014851	KLHL21	2682	2775	8.69930853546
NM_014851	KLHL21	1611	1701	8.69529093529
NM_014851	KLHL21	3415	3545	8.69930853546
NM_014851	KLHL21	1079	1161	8.61516932608
NM_022892	NAIP	210	231	8.31977064846
NM_022892	NAIP	2292	2345	8.2356314393
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NM_022896	LPIN3	294	344	6.75035618669
NM_022896	LPIN3	2915	2974	7.75437378686
NM_032864	PRPF38A	1113	1213	5.61649422857
NM_032864	PRPF38A	1326	1368	5.61247663595
NM_032864	PRPF38A	132	194	7.20145672929
NM_032864	PRPF38A	514	575	5.61649422857
NM_032866	CGNL1	6257	6297	5.74410652656
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NM_032860	LTV1	263	337	2.8998916482	
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NM_001007025	GOSR1	2685	2737	3.61020421589	
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NM_194449	PHLPP1	2555	2618	8.92004635139	
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NM_015262	FAM21C	800	849	6.74253600351	
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NM_181077	GOLGA8A	3748	3788	3.65354031252
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NM_007157	ZXDB	1823	1902	7.67763283076
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NM_030649	ACAP3	1440	1515	7.17630184681
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NM_030640	DUSP16	2031	2103	5.98008153628
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NM_003818	CDS2	1019	1085	6.59299485241
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NM_001679	ATP1B3	1634	1686	5.98658064137
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NM_199245	VAMP1	819	904	7.9751464006
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NM_004285	H6PD	6701	6748	10.0663864053
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NM_001670	ARVCF	2374	2428	8.70979650558
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NM_005410	SEPP1 336	389		2.21719836129
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NM_005410	SEPP1 449	503		2.9581815554
NM_005410	SEPP1 1023	1059		0.552114251353
NM_005410	SEPP1 507	542		0.632235860564
NM_005410	SEPP1 545	791		4.54314405635
NM_005410	SEPP1 1066	1121		1.63625346074
NM_005410	SEPP1 58	112		0.632235860564
NM_005415	SLC20A1 2126	2203		6.71573656499
NM_005415	SLC20A1 457	559		8.20116339216
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NM_005415	SLC20A1 2218	2527		10.1751681836
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NM_005415	SLC20A1 1790	2107		9.20116339216
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NM_005415	SLC20A1 574	1097		10.733658473
NM_005415	SLC20A1 2784	2989		8.91737042616
NM_005415	SLC20A1 2527	2680		8.3938084701
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NM_014078	MRPL13 778	873		5.654938429
NM_014078	MRPL13 447	583		6.46229358697
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NM_003107	SOX4	2273	2314	10.9873554583
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NM_003107	SOX4	505	653	12.5763355592
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NM_003105	SORL1	3422	3454	4.47904187913
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NM_003105	SORL1	3511	3572	3.47887485987
NM_003104	SORD	771	819	6.05255903564
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NM_003101	SOAT1	99	193	10.0021042048
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NM_152756	RICTOR	4851	4890	6.86434725117
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NM_032268	ZNRF1	419	462	5.90864273107
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NM_032264	NBPF3	2742	2799	9.67121011893
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NM_152758	YTHDF3	401	445	6.66033208377
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NM_003761	VAMP8	292	330	3.90020828392
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NM_001023563	ZNF805	5830	5882	12.0879252814
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NM_001039182	BOLA2B	790	857	7.88917984325
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NM_003314	TTC1	1013	1073	5.41106697662
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NM_015658	NOC2L	2384	2438	4.23707964426
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NM_015659	RSL1D1	325	402	3.89013194472
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NM_015659	RSL1D1	749	816	1.56820384983
NM_015659	RSL1D1	1622	1670	2.56418624966
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NM_001145928	SAP130	3171	3227	7.58718712858
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NM_015652	C10orf12		1634	1677 9.82744975696
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NM_015654	NAT9	508	578	6.11690394055
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NM_015386	COG4	320	366	4.94112318322
NM_015386	COG4	1433	1468	7.02526238505
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NM_015386	COG4	932	1036	6.6102248931
NM_015386	COG4	1168	1274	6.02508864228
NM_015386	COG4	776	828	6.02124479243
NM_015387	MOB4	287	345	7.5450058245
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NM_015382	HECTD1	2641	2679	3.18969393244
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NM_015382	HECTD1	1464	1551	4.19371153261
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NM_003310	TSSC1	644	714	7.32602359913
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NM_015380	SAMM50	457	507	5.90706320682
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NM_015388	YIPF3	506	564	6.61595915391
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NM_015388	YIPF3	598	738	8.93788725635
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NM_002501	NFIX	2895	2961	8.90251643318
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NM_002503	NFKBIB	329	402	8.91606969607
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NM_024519	FAM65A	1703	1754	7.12388088703
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NM_001144030	NAT10	1824	1908	6.42001111117
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NM_001144030	NAT10	1521	1680	5.68304551701
NM_001144030	NAT10	2649	2737	5.09808278037
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NM_001144032	PPIAL4E	523	564	9.00457524045
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NM_014389	PELP1	342	384	6.45632239734

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NM_014389	PELP1	2544	2605	6.45632239712
NM_014389	PELP1	1785	1858	7.45631566629
NM_014389	PELP1	704	755	6.37218318796
NM_014389	PELP1	1929	2032	8.77825049223
NM_014389	PELP1	3401	3447	7.45230479717
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NM_001039457	ATP6V0B	800	843	6.70182731652
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NM_018009	TAPBPL	1216	1272	9.61586280279
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NM_015038	KIAA0754		2345	2420 9.03572507317
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NM_018003	UACA	4377	4438	3.86038907828
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NM_004857	AKAP5	1042	1061	11.4218899831
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NM_213647	FGFR4	1036	1090	6.82907188604
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NM_017861	PIGX	271	326	7.78960677463
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NM_017712	PGPEP1	1615	1675	8.18806496947
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NM_001032367	SPINT1	148	215	11.297935852	
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NM_032331	ECE2	96	134	9.79219076428
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NM_182612	PDDC1	346	385	9.88615328399
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NM_025010	KLHL18	666	714	9.30380807092
NM_020533	MCOLN1	1634	1698	11.4480759374
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NM_016401	C11orf73		587	641 8.06456290178
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NM_016403	CWC15	689	787	5.17141029631
NM_016404	TRMT112	576	615	4.19557362268
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NM_016408	CDK5RAP1		1008	1056	7.12953137783
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NM_016408	CDK5RAP1		313	366	7.12952465432
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NM_017998	C9orf40	1121	1174	4.93016307245	
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NM_020745	AARS2	1011	1079	7.53231482307
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NM_032848	C12orf52		6	33 8.28414138849
NM_001039848	GPX4	727	787	3.5797204189
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NM_001039842	C17orf90		378	455 8.89176478086
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NM_014246	CELSR1	2976	3018	14.2393298048
NM_014246	CELSR1	10801	10875	13.2433471691
NM_014246	CELSR1	5309	5414	15.8283099057
NM_014246	CELSR1	3902	3965	14.2433473974
NM_014246	CELSR1	4994	5139	15.5652754999
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NM_014246	CELSR1	2450	2579	15.5652754999
NM_014246	CELSR1	9557	9667	15.5652754999
NM_014246	CELSR1	3501	3608	15.243347405
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NM_014246	CELSR1	1375	1471	14.243347405
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NM_014246	CELSR1	3258	3344	14.2433473974
NM_014246	CELSR1	1899	1983	14.2433474048
NM_014246	CELSR1	7339	7475	14.243347405
NM_032847	C8orf76	764	839	8.83151055857
NM_032847	C8orf76	681	736	9.41664007855
NM_032847	C8orf76	1035	1121	7.82766670871
NM_014248	RBX1	51	88	6.66395296876
NM_014248	RBX1	429	541	8.66797056893
NM_014248	RBX1	326	380	5.66779681861
NM_014248	RBX1	106	224	8.98989866382
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NM_005993	TBCD	580	629	5.34693334843
NM_005996	TBX3	70	100	6.12946370334
NM_005996	TBX3	3152	3221	6.04532449396
NM_005997	VPS72	442	490	5.1058800003
NM_005997	VPS72	636	698	5.1058867238

NM_005997	VPS72	199	282	5.69084923207	
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NM_001007793	BUB3	654	762	6.85899020113	
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NM_001007067	SDCBP	787	851	4.66097875475	
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NM_005192	CDKN3	239	327	8.91551440147	
NM_005192	CDKN3	527	609	8.65247999563	
NM_005190	CCNC	2079	2144	5.57622287616	
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NM_152259	C15orf42		2477	2516	9.12197580368
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NM_152259	C15orf42		4448	4504	10.1258196535
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NM_001114394	PAPD4	1492	1533	5.63353122386	
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NM_001114397	DHX36	2797	2874	6.28169017474	
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NM_001114397	DHX36	3262	3309	5.27767257457
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NM_032741	AGPAT1	221	347	10.1706524372
NM_032741	AGPAT1	1380	1444	7.00072070469
NM_032741	AGPAT1	447	492	8.00072743574
NM_032741	AGPAT1	932	1020	9.00072743575
NM_032741	AGPAT1	1084	1253	10.4601590544
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NM_152925	CPNE1	1897	1985	5.16367581412
NM_152925	CPNE1	575	627	3.84174748331
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NM_005198	CHKB	1177	1264	6.14879942119
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NM_032747	USMG5	480	554	4.77867403334
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NM_170784	MKKS	2126	2195	8.38263749599
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NM_053024	PFN2	979	1023	5.29031984887
NM_053024	PFN2	318	378	4.28630225625
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NM_053026	MYLK	1660	1690	7.22735005117
NM_053023	ZFP91	1367	1410	6.70362519423
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NM_016589	TIMMDC1	655	711	4.60296195426
NM_016589	TIMMDC1	713	827	5.60296219018
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NM_016589	TIMMDC1	1185	1275	3.60296218263
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NM_015294	TRIM37	4386	4463	6.78887969246
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NM_001099661	EIF3CL	1938	1985	2.20977720806
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NM_001099661	EIF3CL	2075	2168	3.79474643983
NM_001099661	EIF3CL	1202	1268	4.20978393911
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NM_001048200	HIPK3	7373	7423	6.22949323698
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NM_001003791	ERLIN2	319	395	9.71741349498	
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NM_014341	MTCH1	485	523	5.39441635098	
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NM_001111067	ACVR1	1105	1164	9.08999471869	
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NM_001097620	TMEM184A		4754	4843	11.2079645269
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NM_001097620	TMEM184A		4612	4691	10.207964291
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NM_014830	ZBTB39	5039	5140	8.87724604686	

NM_020857	VPS18	1411	1476	8.83148232648	
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NM_019032	ADAMTSL4		3954	4012	10.4658183377
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NM_014346	TBC1D22A		1324	1374	6.66767929904
NM_019034	RHOF	1012	1064	6.54084345925	
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NM_022568	ALDH8A1	2048	2096	11.2933880875	
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NM_016655	GABPB1	720	808	6.35906733952	
NM_001143970	CDYL	1175	1281	7.43775978843	
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NM_022566	MESDC1	2851	2930	12.1880582384	
NM_001114132	NBEAL1	3645	3690	8.76849783472	
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NM_194463	RNF128	741	804	4.67272073302	
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NM_001198800	ASCC1	1005	1062	6.38650302514	
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NM_001198802	EIF4G3	2138	2223	5.65743985394	
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NM_001478	B4GALNT1		1182	1230	11.5754279882
NM_001478	B4GALNT1		778	824	10.5714171191
NM_001478	B4GALNT1		1538	1594	12.160390489
NM_001478	B4GALNT1		598	649	10.5754347193
NM_001478	B4GALNT1		667	712	12.16039722
NM_001478	B4GALNT1		1075	1137	12.1603972198
NM_001478	B4GALNT1		2449	2525	10.5754279882
NM_001478	B4GALNT1		1850	1933	12.16039722
NM_001478	B4GALNT1		2566	2612	11.5754344834
NM_001478	B4GALNT1		462	531	12.16039722
NM_001478	B4GALNT1		2073	2222	12.8973628142
NM_001478	B4GALNT1		987	1071	12.5754347193
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NM_004111	FEN1	463	506	8.03878054313	
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NM_004111	FEN1	685	751	6.95464133374	
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NM_004111	FEN1	1238	1415	10.0387805431	
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NM_202758	ENOSF1	2956	3011	5.6164424552	
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NM_030662	MAP2K2	568	642	5.58698947144	
NM_030662	MAP2K2	1457	1518	3.58297187126	
NM_030662	MAP2K2	1355	1430	5.58698947144	
NM_030662	MAP2K2	1646	1702	5.17195197216	
NM_030662	MAP2K2	1006	1062	3.58698946389	
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NM_030662	MAP2K2	779	907	7.17195197216	
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NM_030662	MAP2K2	328	507	6.75691447288	
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NM_005037	PPARG	278	318	5.38068012792
NM_005036	PPARA	1699	1746	5.71476161903
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NM_017847	C1orf27	479	720	10.2918376359

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NM_017847	C1orf27	2927	3124	7.12191263447
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NM_001862	COX5B	167	235	4.19247581944
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NM_001863	COX6B1	101	540	9.32650333534
NM_001861	COX4I1	278	342	3.11541666245
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NM_001867	COX7C	307	418	4.53235350107
NM_001867	COX7C	142	305	6.7953879069
NM_001867	COX7C	8	135	5.66985702481
NM_001865	COX7A2	475	535	4.76625477408
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NM_001514	GTF2B	113	157	4.61768082446
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NM_001114182	IRAK4	170	211	9.27907981778
NM_001515	GTF2H2	591	636	5.11843146825
NM_001515	GTF2H2	501	573	4.20257067008
NM_001515	GTF2H2	1032	1111	5.11843146825
NM_001515	GTF2H2	390	487	5.78753317835
NM_001515	GTF2H2	200	260	5.20257044171
NM_001515	GTF2H2	1286	1365	6.20257067763
NM_030877	CTNNB1	164	225	3.71034715627
NM_030877	CTNNB1	889	960	5.29146580713
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NM_024068	OBFC2B	1168	1222	5.56170725876
NM_024068	OBFC2B	124	257	8.56572485894
NM_024068	OBFC2B	358	442	7.56170725876
NM_024068	OBFC2B	533	598	6.56571812788
NM_182679	GPATCH4	343	407	6.30863500517
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NM_182678	UBE2E3	1082	1129	6.15487179075
NM_182678	UBE2E3	264	354	4.56990255898
NM_182678	UBE2E3	357	439	6.15487155483
NM_182678	UBE2E3	700	838	7.73983429147
NM_182678	UBE2E3	915	999	7.73983429147
NM_182678	UBE2E3	1003	1054	4.56589168986
NM_182678	UBE2E3	498	676	7.37726421209
NM_182678	UBE2E3	1136	1211	6.89183738492
NM_004638	PRRC2A	5556	5632	7.92687668622
NM_004638	PRRC2A	5079	5148	6.92687668622
NM_004638	PRRC2A	1740	1792	5.34190745445
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NM_004638	PRRC2A	515	583	6.92687668622
NM_004638	PRRC2A	6241	6395	8.3419141855
NM_004638	PRRC2A	5482	5540	5.34191394958
NM_004638	PRRC2A	5013	5074	7.926876686
NM_004638	PRRC2A	2928	2977	5.34191394958
NM_004638	PRRC2A	1057	1094	5.25777497612
NM_004638	PRRC2A	5646	5760	8.51183918695
NM_004638	PRRC2A	4176	4239	7.3419141855
NM_004638	PRRC2A	4644	4780	6.3419141855
NM_004638	PRRC2A	5290	5411	8.14926910756
NM_004638	PRRC2A	2397	2634	9.58984169895
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NM_004630	SF1	463	558	4.91266343874
NM_004630	SF1	2779	2867	4.91266343874
NM_004630	SF1	146	209	2.91266320283
NM_004630	SF1	1919	1952	2.82852422936
NM_004630	SF1	887	960	4.91266343874

NM_004630	SF1	788	848	4.49762593947
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NM_004630	SF1	558	674	6.37209505738
NM_004630	SF1	1077	1265	6.49762593947
NM_004630	SF1	1784	1866	4.91266343874
NM_004630	SF1	2600	2653	2.91265670769
NM_004630	SF1	1290	1474	6.37209505738
NM_004630	SF1	1477	1585	5.23459153363
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NM_004630	SF1	971	1056	2.91266343874
NM_004630	SF1	3414	3563	7.30498086152
NM_004637	RAB7A	1347	1437	4.44313217288
NM_004637	RAB7A	1011	1092	3.44313217288
NM_004637	RAB7A	65	197	5.0280946736
NM_004637	RAB7A	515	547	1.8581629411
NM_004637	RAB7A	1913	1957	3.44312544182
NM_004637	RAB7A	2044	2131	4.18009776704
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NM_004637	RAB7A	1516	1706	4.66552459421
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NM_004637	RAB7A	547	645	4.44313217288
NM_004637	RAB7A	338	515	6.18009776704
NM_001001556	GALK2	1650	1691	7.27837475185
NM_001001556	GALK2	362	410	7.28238562097
NM_001001556	GALK2	1087	1152	7.27837475185
NM_001001556	GALK2	651	726	8.2823921161
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NM_004327	BCR	2928	2976	7.16116185561
NM_004327	BCR	6473	6532	8.48710755067
NM_004327	BCR	4425	4534	7.7501419565
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NM_004327	BCR	3908	3964	8.16517945556
NM_004327	BCR	2763	2825	8.75014195651
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NM_004327	BCR	2523	2563	7.16116185561
NM_004327	BCR	6227	6268	6.0810402464
NM_004327	BCR	6127	6188	7.16517921987
NM_004327	BCR	2475	2514	6.16116185561
NM_004327	BCR	2389	2437	6.16517272473
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NM_004327	BCR	1864	1923	7.16517945579
NM_004327	BCR	6341	6408	6.16517272473
NM_004327	BCR	2221	2288	7.75014195651
NM_004327	BCR	3435	3575	7.75014195651
NM_004327	BCR	2089	2161	7.7501419565
NM_004327	BCR	4788	4848	6.16517921987
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NM_004327	BCR	2567	2658	7.75014195651

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NM_004327	BCR	1553	1621	7.7501419565
NM_004327	BCR	2000	2089	7.16517945579
NM_004327	BCR	3319	3355	7.0810402464
NM_004324	BAX	424	554	6.74390861518
NM_004324	BAX	109	155	3.65976940579
NM_004324	BAX	665	891	7.99183612862
NM_004324	BAX	192	420	7.83137145643
NM_025250	TTYH3	4268	4311	5.96318209114
NM_025250	TTYH3	2650	2724	4.96318209136
NM_025250	TTYH3	2423	2481	6.54814458453
NM_025250	TTYH3	3032	3167	8.54814459208
NM_025250	TTYH3	684	735	6.96318209136
NM_025250	TTYH3	1787	1860	5.96318209136
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NM_025250	TTYH3	529	571	5.96300834104
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NM_025250	TTYH3	4212	4257	5.96318209136
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NM_025250	TTYH3	2523	2620	8.28511018624
NM_025250	TTYH3	1561	1672	7.28511018624
NM_025250	TTYH3	3899	4045	9.42261370999
NM_025250	TTYH3	3745	3898	9.1331070928
NM_025250	TTYH3	582	656	6.54814459208
NM_025250	TTYH3	1889	2306	9.35549951414
NM_025250	TTYH3	3286	3455	8.87007268697
NM_025250	TTYH3	187	462	9.6636218095
NM_025250	TTYH3	2734	2893	5.96318209136
NM_025250	TTYH3	4401	4800	11.0075762107
NM_025250	TTYH3	897	1483	10.8939194289
NM_004328	BCS1L	657	772	7.0323424817
NM_004328	BCS1L	1171	1230	6.02832488153
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NM_004329	BMPR1A	1186	1241	7.72584529754
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NM_004329	BMPR1A	1486	1540	6.72584553346
NM_022915	MRPL44	647	702	4.66261196623
NM_022915	MRPL44	562	616	5.98454679217
NM_022915	MRPL44	880	938	5.24757446695
NM_022915	MRPL44	377	526	5.247581198
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NM_022917	NOL6	1464	1507	7.98329605491
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NM_022916	VPS33A	660	757	7.54477639559	
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NM_022916	VPS33A	414	499	6.96383125912	
NM_022913	GPBP1	2880	2923	4.84988654635	
NM_022913	GPBP1	2627	2660	5.43869289693	
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NM_022913	GPBP1	835	989	6.17583224141	
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NM_001199346	C18orf32		91	156	9.03920158334
NM_001199346	C18orf32		519	570	8.03919485251
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NM_020713	ZNF512B	3376	3408	6.39777861497	
NM_022918	TMEM135	1573	1624	7.06341766411	
NM_022918	TMEM135	1018	1090	7.65239776478	
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NM_016433	GLTP	2096	2140	5.85394750709	
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NM_001146333	SUMF2	939	987	7.87002007285	
NM_001146333	SUMF2	1415	1486	7.87019382317	
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NM_016467	ORMDL1	337	410	9.42566311237	
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NM_016467	ORMDL1	177	255	9.74759120748	
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NM_016464	TMEM138	849	888	10.6252721615	
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NM_016464	TMEM138	500	568	11.2903562714	
NM_016464	TMEM138	731	780	10.7092376206	
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NM_016462	TMEM14C	1063	1137	5.8966194988	
NM_016462	TMEM14C	413	466	4.31165027457	
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NM_016463	CXXC5	1319	1379	7.11240101957
NM_016463	CXXC5	1124	1208	7.69753727039
NM_003247	THBS2	2512	2559	14.4661043964
NM_015997	RRNAD1	1890	1937	8.57937174748
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NM_015997	RRNAD1	467	636	7.99440924698
NM_016468	COX16	428	493	7.93067712677
NM_016468	COX16	46	144	8.93067712678
NM_016468	COX16	501	549	6.93067712677
NM_016468	COX16	158	428	10.018139968
NM_015994	ATP6V1D	1206	1263	7.52929583606
NM_015994	ATP6V1D	610	705	8.52929607198
NM_015994	ATP6V1D	1088	1166	8.1142585727
NM_015994	ATP6V1D	818	864	8.52929607198
NM_015994	ATP6V1D	713	787	9.1142585727
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NM_017599	VEZT	1282	1336	6.9435501128
NM_017599	VEZT	133	209	7.68051571451
NM_017599	VEZT	1921	1970	5.27444841024
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NM_017599	VEZT	856	922	6.9435501128
NM_017599	VEZT	1011	1050	5.27444841024
NM_017599	VEZT	347	390	7.35858761962
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NM_017599	VEZT	534	689	9.16594254168
NM_017599	VEZT	1407	1481	6.94354338929
NM_017599	VEZT	1125	1261	7.35858761962
NM_017599	VEZT	417	504	7.35858088857
NM_001173408	OBSL1	1895	1947	4.26393307854
NM_001173408	OBSL1	787	839	5.26795067871
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NM_001173408	OBSL1	3025	3125	5.26795067871
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NM_001173408	OBSL1	3406	3523	5.85291317921
NM_017590	ZC3H7B	2069	2112	4.81523545365
NM_017590	ZC3H7B	1971	2025	6.89937466304
NM_017590	ZC3H7B	2351	2412	6.48031956359
NM_017590	ZC3H7B	813	878	5.89936793198
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NM_017590	ZC3H7B	388	455	5.89936793198

NM_017590	ZC3H7B	1780	1830	4.89937442712	
NM_017590	ZC3H7B	897	988	5.89937466303	
NM_017590	ZC3H7B	3042	3096	4.89535706286	
NM_017590	ZC3H7B	4961	5030	4.89937466304	
NM_017592	MED29	890	956	6.47781265106	
NM_017592	MED29	1093	1194	6.47781265861	
NM_017592	MED29	1042	1075	6.47780592756	
NM_006893	EIF2D	304	367	7.19754833011	
NM_006893	EIF2D	1957	2038	7.19755506116	
NM_006893	EIF2D	1348	1409	6.19353746099	
NM_006893	EIF2D	535	589	6.19754833011	
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NM_005736	ACTR1A	1677	1732	8.07277745303	
NM_005736	ACTR1A	1029	1065	8.48782167581	
NM_005736	ACTR1A	381	423	8.07278418386	
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NM_005736	ACTR1A	712	788	8.48782168336	
NM_005736	ACTR1A	2225	2295	7.48782168314	
NM_181659	NCOA3	4557	4608	6.24144671515	
NM_181659	NCOA3	2821	2865	6.24161373441	
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NM_181659	NCOA3	5108	5175	6.23760286529	
NM_181659	NCOA3	6291	6342	5.15748125608	
NM_181659	NCOA3	3358	3491	6.24162046547	
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NM_001164468	TMED7-TICAM2		571	640	9.43926423887
NM_001164468	TMED7-TICAM2		674	922	10.9131954272
NM_001164468	TMED7-TICAM2		142	316	9.07669415949
NM_001164468	TMED7-TICAM2		411	571	9.59126733232
NM_000801	FKBP1A	593	722	7.38519994503	
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NM_001242598	TMEM147	138	188	9.92078109064	
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NM_001164463	RGPD8	6131	6211	7.02035080947	
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NM_001164463	RGPD8	817	902	9.02035080969
NM_001164463	RGPD8	2159	2239	9.02035080969
NM_001164463	RGPD8	1181	1260	9.34227890458
NM_001164463	RGPD8	648	725	9.02035080214
NM_001164463	RGPD8	1104	1175	8.02035080214
NM_001164463	RGPD8	1829	1870	6.93621160031
NM_001164463	RGPD8	3635	3802	8.02035080969
NM_001164463	RGPD8	3232	3318	8.02035080969
NM_001164463	RGPD8	2066	2151	7.02035080968
NM_001164463	RGPD8	4447	4578	8.02035080969
NM_145261	DNAJC19	404	465	7.56078343506
NM_145266	NUDCD2	396	440	4.65423177873
NM_145265	CCDC127	732	784	5.8047363297
NM_145265	CCDC127	336	430	6.38969883064
NM_145265	CCDC127	793	937	6.80473632992
NM_148976	PSMA1	1324	1378	7.23077707413
NM_148976	PSMA1	465	517	6.48979387979
NM_148976	PSMA1	379	422	6.90884224819
NM_148976	PSMA1	1094	1159	6.90884897924
NM_148976	PSMA1	565	711	9.55270516901
NM_148976	PSMA1	1207	1278	5.90867522892
NM_148976	PSMA1	744	1076	9.90884897924
NM_006675	TSPAN9	2704	2749	3.84453278151
NM_006675	TSPAN9	2278	2335	3.92849824057
NM_006675	TSPAN9	1970	2030	3.92465439072
NM_006675	TSPAN9	610	644	4.84453278151
NM_006675	TSPAN9	1460	1523	3.92465439072
NM_006675	TSPAN9	3434	3476	3.92866525984
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NM_031459	SESN2	3137	3200	9.08405361338
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NM_002958	RYK	355	407	7.35882776576
NM_002958	RYK	2017	2088	6.36284536571
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NM_002958	RYK	445	489	7.35882776576
NM_002958	RYK	1520	1637	7.94780786665
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NM_002957	RXRA	2121	2220	5.8285875471
NM_002957	RXRA	3775	3865	4.82858081605

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NM_002957	RXRA	1890	2030	6.8285875471
NM_002957	RXRA	633	731	5.8285875471
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NM_001184792	PARD3	333	376	4.11733102845
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NM_031453	FAM107B	1564	1642	5.30946755862
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NM_031453	FAM107B	757	856	6.30946755862
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NM_031453	FAM107B	3382	3459	5.30946755108
NM_002953	RPS6KA1	1134	1172	7.24251500752
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NM_002952	RPS2	383	464	3.1782147964
NM_002952	RPS2	13	59	0.366842274168
NM_002952	RPS2	288	364	3.1782147964
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NM_002952	RPS2	77	271	2.54078487578
NM_002951	RPN2	2204	2305	3.84695605392
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NM_002951	RPN2	86	211	3.43191855464
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NM_002951	RPN2	512	719	5.49081224369
NM_002951	RPN2	308	508	5.43191855464
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NM_002951	RPN2	2308	2445	4.75384664953
NM_002951	RPN2	729	1490	7.32268948488
NM_002950	RPN1	2104	2341	7.0276148755
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NM_024617	ZCCHC6	826	942	5.55971224738
NM_024612	DHX40	1204	1248	5.47682003417
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NM_001130825	SUPT5H	1096	1180	6.64314865709
NM_001130825	SUPT5H	490	528	5.5590094477
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NM_001130825	SUPT5H	3179	3246	5.64314865709
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NM_001130825	SUPT5H	1218	1412	7.45050357915
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NM_001130825	SUPT5H	1741	1980	8.10258027572
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NM_017439	PION	2777	2831	7.54622759911
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NM_031231	NECAB3	364	421	6.48745150101
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NM_175066	DDX51	3444	3503	8.10817250232
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NM_178502	DTX3	1528	1684	11.1271255707
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NM_178509	STXBP4	773	821	8.9199517681	
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NM_014738	KIAA0195		3829	3878	5.64433197362
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NM_014730	MLEC	63	104	6.49528329051
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NM_014730	MLEC	5776	5824	5.49528329051
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NM_014730	MLEC	5826	5884	7.08426339141
NM_014730	MLEC	4960	5042	4.49930089068
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NM_014730	MLEC	1671	1835	8.4061914863
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NM_014730	MLEC	3484	3759	8.58676373194
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NM_014730	MLEC	2323	2496	7.08426339141
NM_014732	KIAA0513		760	833 10.5635425324
NM_014733	ZFYVE16	3163	3202	7.74274452348
NM_014733	ZFYVE16	2840	2898	6.82688372531
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NM_014734	KIAA0247		552	603 8.76030732139
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NM_014736	KIAA0101		300	364 6.38008822574
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NM_032189	ATP11A	4851	4913	6.4258970742
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NM_014225	PPP2R1A	2396	2460	7.5043825685
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NM_014222	NDUFA8	568	622	4.45206776767
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NM_014222	NDUFA8	142	220	5.0370369919
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NM_005207	CRKL	4147	4207	7.44004954465
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NM_005207	CRKL	1571	1687	9.02501877642
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NM_005207	CRKL	4636	4706	7.4400562757
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NM_005204	MAP3K8	902	948	8.12461906697	
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NM_152490	B3GALNT2		1552	1629	5.41009723472
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NM_001143775	CTDNEP1	847	930	3.75915147507	
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NM_152272	CHMP7	2245	2282	7.15830772533
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NM_012227	GTPBP6	464	560	7.54890750866
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NM_001077365	POMT1	434	491	8.9599091297
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NM_001077365	POMT1	1922	2093	9.54487163064
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NM_015312	KIAA1109		6408	6446 6.07139113679
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NM_003367	USF2	1334	1404	5.0731213918
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NM_022766	CERK	4267	4327	4.98959721173
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NM_022767	AEN	478	535	4.98988029073
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NM_022762	RMND5B	1183	1229	6.78265967125
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NM_015173	TBC1D1	3747	3768	5.70111297617
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NM_015175	NBEAL2	1410	1492	9.01786020228

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NM_020870	SH3RF1	1001	1084	11.2716098277
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NM_019059	TOMM7	12	54	1.1025897192
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NM_181861	APAF1	2974	3026	9.61401155753
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NM_019052	CCHCR1	1643	1695	7.896932654
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NM_019050	USP53	140	164	6.57398597604
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NM_003364	UPP1	1022	1086	8.9607706727
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NM_054026	CNOT7	314	370	3.30333782561
NM_205847	GMPPA	1469	1521	6.99270715115
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NM_205845	AKR1C2	704	755	4.35605775796
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NM_001455	FOX03	2159	2216	7.65501722958
NM_001455	FOX03	2066	2133	9.23997973031
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NM_001455	FOX03	1324	1384	7.65518424885
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NM_001455	FOX03	2289	2338	9.23997973031
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NM_001455	FOX03	2712	2786	9.6551909799
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NM_001455	FOX03	5472	5552	7.65117337973
NM_001455	FOX03	1466	1521	8.65518424885
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NM_004134	HSPA9	2463	2556	4.44180152972
NM_004134	HSPA9	1992	2156	4.73130814692
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NM_015131	WDR43	1479	1534	3.96329191931
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NM_001458	FLNC	4917	4963	13.0939404531
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NM_004793	LONP1	542	590	3.59548071306
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NM_004792	PPIG	715	751	3.39128331805
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NM_006795	EHD1	745	785	6.78127829593	
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NM_003362	UNG	1176	1227	4.04515835184
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NM_003362	UNG	716	796	5.71426006195
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NM_006241	PPP1R2	1467	1583	4.11864095303
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NM_003368	USP1	3727	3788	5.82221148174
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NM_004864	GDF15	5	610	10.5958003226
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NM_020184	CNNM4	2096	2141	8.04084707747
NM_020184	CNNM4	534	626	8.70994878735
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NM_004863	SPTLC2	1077	1128	7.6719539615
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NM_020187	C3orf37	518	654	8.88286606932
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NM_020188	C16orf61		194	255 2.93717525941
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NM_006445	PRPF8	5301	5438		6.96944918255
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NM_003124	SPR	1309	1365		6.41336998791
NM_003124	SPR	764	806		6.40935262366
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NM_003124	SPR	620	750		8.99833272455
NM_003124	SPR	332	505		9.58329522527
NM_003124	SPR	1176	1256		6.41337021628
NM_003124	SPR	508	616		8.73529831872
NM_144679	C17orf56		2035	2089	8.429976498
NM_144679	C17orf56		753	834	9.51411570717
NM_144679	C17orf56		302	355	8.51410897633
NM_144679	C17orf56		1179	1251	9.51411569984

NM_001199885	C15orf63	227	276	1.77568131986
NM_001199885	C15orf63	368	455	3.85982052924
NM_003655	CBX4 278	331	5.11595065002	
NM_003655	CBX4 1555	1595	5.11595065002	
NM_003655	CBX4 1785	1820	4.03198519096	
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NM_001199663	PMF1-BGLAP	262	380	10.0047577561
NM_144676	TMED6 682	737	6.89601743697	
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NM_198150	ARSK 648	760	8.43151900633	
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NM_198150	ARSK 1053	1127	6.84655650561	
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NM_001007561	IRGQ 2721	2764	10.9661783713	
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NM_006429	CCT7 1515	1556	1.41975441356	
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NM_006429	CCT7	1278	1451	4.82582171783
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NM_006429	CCT7	144	413	5.75182113638
NM_006429	CCT7	490	1028	6.99574671927
NM_006428	MRPL28	89	126	6.49931845461
NM_006428	MRPL28	391	495	8.08445470565
NM_003143	SSBP1	630	685	6.06843826366
NM_003143	SSBP1	529	601	7.39054010887
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NM_003143	SSBP1	489	525	4.98447280459
NM_003143	SSBP1	167	289	8.39054010887
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NM_003142	SSB	106	169	2.2824170335
NM_003142	SSB	1553	1594	1.69745452523
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NM_006421	ARFGEF1	4197	4262	7.26248307955
NM_006420	ARFGEF2	1394	1451	4.61205562647
NM_006420	ARFGEF2	3409	3473	6.93399045241
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NM_006420	ARFGEF2	4647	4696	6.11288564886
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NM_003146	SSRP1	2260	2344	3.13836218387
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NM_003145	SSR2	24	129	6.47664715832
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NM_003144	SSR1	2857	2936	1.99459054
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NM_003144	SSR1	4153	4188	0.994590539996
NM_003144	SSR1	2212	2268	2.99843438985
NM_003144	SSR1	9500	9566	1.99860790425
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NM_003144	SSR1	1419	1485	1.99860814016
NM_003144	SSR1	1604	1733	4.16853314161
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NM_003144	SSR1	474	763	7.06469733063
NM_003144	SSR1	3164	3200	1.99860813262
NM_003144	SSR1	1509	1561	0.998434389851
NM_003144	SSR1	4547	4610	2.58339689057
NM_003144	SSR1	139	468	6.61331798428
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NM_181725	METTTL2A	390	434	6.04089587456
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NM_130809	PRRC1	1199	1244	6.99335903167
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NM_018429	BDP1	9355	9404	6.03156595392
NM_001040454	SLC26A6	2220	2265	6.43462493913
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NM_001040456	RHBDD2	1394	1475	10.0260741496
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NM_001810	CENPB	511	595	5.49995367045
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NM_004925	AQP3	773	834	9.50944544787
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NM_004925	AQP3	1580	1645	9.5094454481
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NM_001127350	MED18	902	982	8.14269346171
NM_002096	GTF2F1	489	537	6.00331165926
NM_002096	GTF2F1	1664	1724	6.00331815439
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NM_002097	GTF3A	770	822	4.8242562834
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NM_002097	GTF3A	923	989	3.32342626101
NM_002097	GTF3A	396	472	4.90839549256
NM_002095	GTF2E2	572	622	3.81805857161
NM_002095	GTF2E2	250	314	4.48314268154
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NM_002092	GRSF1	1352	1392	6.05918220084
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NM_002092	GRSF1	3136	3214	5.05918196493
NM_002092	GRSF1	2289	2363	5.05516460067
NM_002092	GRSF1	507	718	8.22910720229
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NM_014033	METTTL7A	995	1067	5.62777205375
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NM_130801	MEN1	609	681	8.14404160683	
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NM_014039	C11orf54		129	213	6.3947421343
NM_014039	C11orf54		253	305	5.31060292492
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NM_014039	C11orf54		939	988	5.31060292492
NM_014039	C11orf54		319	509	7.3947421343
NM_014038	BZW2	464	522	5.64599856362	
NM_014038	BZW2	102	168	5.64600529467	
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NM_001145961	SLC12A4	2920	2962	6.73126774455	
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NM_176818	GATC	104	184	7.7316705082
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NM_176812	CHMP4B	780	833	1.34428833305

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NM_176812	CHMP4B	1049	1159	4.66621642816
NM_176812	CHMP4B	837	928	2.34428833327
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NM_176816	CCDC125	1928	1966	7.64005719881
NM_176814	ZNF800	863	930	7.67413186506
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NM_006076	AGFG2	3387	3471	6.89701618747
NM_006076	AGFG2	889	952	6.89684243715
NM_006076	AGFG2	2116	2207	8.48197868819
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NM_004308	ARHGAP1	1645	1745	8.59136185956
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NM_153810	C10orf46		4074	4137	8.60093569835
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NM_025235	TNKS2	1055	1146	8.49870190359	
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NM_001154	ANXA5	1276	1350	5.35585918346	
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NM_004651	USP11	3002	3071	5.74620598029	
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NM_016199	LSM7	41	92	5.09195307932	
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NM_001171155	C19orf79		235	306	6.49618726483
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NM_017828	COMMD4	894	934	7.28244645134	
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NM_017825	ADPHL2	676	710	8.01809491293	
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NM_017827	SARS2	1923	1985	8.08934487878	
NM_017827	SARS2	420	512	8.08951862909	
NM_017827	SARS2	1764	1889	9.08951862155	
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NM_017822	C12orf41		745	797	7.04105258148
NM_017822	C12orf41		1983	2104	8.63003268237
NM_017822	C12orf41		1578	1630	9.04489643133
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NM_020466	LYRM2	216	254	6.02735123498	
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NM_016333	SRRM2	6007	7010	9.1418501104
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NM_016447	MPP6	522	578	6.73777481924
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NM_016447	MPP6	1660	1756	8.74179241941
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NM_016440	VRK3	695	769	7.18861366654

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NM_001037165	FOXK1	9257	9338	8.31788490858
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NM_001037163	C7orf70	321	395	9.17850209005
NM_001037161	ACOT1	870	933	6.70507734861
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NM_181672	OGT	1357	1406	3.69114555335
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NM_198892	BMP2K	482	590	9.39320753403
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NM_001012727	AGPAT2	606	691	12.0470210878
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NM_006659	TUBGCP2	2836	2886	6.13729170163
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NM_006659	TUBGCP2	2460	2634	9.13729193755
NM_002937	RNASE4	492	544	2.73000327325
NM_002937	RNASE4	920	1003	0.729996542421
NM_002931	RING1	1310	1379	7.86540616524
NM_002931	RING1	292	445	9.36458287391
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NM_198335	GANAB	3766	3846	4.58702426074
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NM_198335	GANAB	3121	3217	7.3943791828
NM_198335	GANAB	3905	4013	5.58702426074
NM_198335	GANAB	2549	3121	10.8724264796
NM_198335	GANAB	2200	2341	8.67448710199
NM_198335	GANAB	3218	3719	10.1719867615
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NM_031434	TMUB1	1196	1230	9.0470210878
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NM_031434	TMUB1	986	1065	9.04702108801
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NM_031432	UCK1	811	891	6.92625113597
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NM_002938	RNF4	2019	2087	4.18901086653
NM_002938	RNF4	185	241	5.18499350227
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NM_031431	COG3	1063	1132	6.89237933184
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NM_005441	CHAF1B	519	587	8.14156330119
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NM_175737	KLB	771	828	6.55283977206
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NM_175737	KLB	3558	3630	6.96787727156
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NM_175737	KLB	1428	1611	9.05534011281
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NM_175737	KLB	570	738	8.55283977228
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NM_003557	PIP5K1A	886	956	8.60917465887
NM_003557	PIP5K1A	804	853	5.43523205726
NM_003557	PIP5K1A	481	533	5.43924964988
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NM_003558	PIP5K1B	1075	1128	9.15528057411
NM_003559	PIP4K2B	1258	1351	5.53969156734
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NM_001145206	KIAA1671		8024	8055 9.19688091611
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NM_014494	TNRC6A	4728	4782	6.64099675927
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NM_005228	EGFR	1241	1727	12.1261511885
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NM_005228	EGFR	4461	4669	10.1037833755
NM_005228	EGFR	5307	5346	7.60460666681
NM_005228	EGFR	4175	4326	9.68874587619
NM_005228	EGFR	2566	2766	10.1037833755
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NM_014754	PTDSS1	1079	1150	7.72467002704
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NM_014754	PTDSS1	1620	1676	4.72065242686
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NM_032164	ZNF394	1235	1290	8.85235274555
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NM_032168	WDR75	1843	1906	4.11992961738
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NM_032806	C3orf39	1412	1462	10.8669572865
NM_018691	FAM114A2		594	638 7.67657769348
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NM_001171991	HCCS	793	872	7.09417267694
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NM_001123363	RGPD6	4877	4919	6.81290829282

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NM_001123363	RGPD6	2114	2157	7.81290829282
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NM_001204158	SPHK2	958	1005	10.8124456058
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NM_001129900	ZNF673	156	208	7.14354800702
NM_001204401	XIAP	1802	1878	8.49485345863
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NM_001204151	MBD1	475	569	9.01198011483
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NM_001040439	MAPK8IP3		282	342 5.55173874874
NM_032704	TUBA1C	0	83	7.38230419781
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NM_022744	C16orf58		306	347 4.11711383946
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NM_022746	MOSC1	1814	1856	9.14642112414
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NM_022037	TIA1	3327	3384	6.93248668441
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NM_001142685	ARHGAP32	5793	5835	10.0510112089
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NM_022039	FBXW4	1272	1329	7.44365365883
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NM_022748	TNS3	6531	6621	9.17745930689
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NM_022749	FAM160B2		1904	1988 7.9532727856
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NM_001008405	BCAP29	653	704	7.43638234062
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NM_001008401	ZNF761	3872	3972	7.86356293092
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NM_015156	RCOR1	3265	3309	5.54796815741
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NM_015155	LARP4B	1479	1547	7.00002517347
NM_015155	LARP4B	2718	2774	6.00001844242
NM_015155	LARP4B	1081	1144	7.99985142315
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NM_015154	MESDC2	224	313	6.01571323064
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NM_015154	MESDC2	966	1076	6.43075072992
NM_015153	PHF3	6509	6588	4.52306296787
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NM_015153	PHF3	4369	4447	5.11204306876
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NM_015153	PHF3	2115	2176	3.44294135866
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NM_020890	KIAA1524		2093	2155 6.41036888794
NM_020890	KIAA1524		424	482 8.3262296861
NM_020890	KIAA1524		1658	1734 6.41036889549

NM_020890	KIAA1524		3270	3359	7.41036889549
NM_020890	KIAA1524		1775	1879	8.73229699038
NM_020890	KIAA1524		762	880	8.41036865957
NM_020894	KIAA1530		4445	4523	9.09046644117
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NM_020898	CALCOC01		2371	2410	4.99135883734
NM_020899	ZBTB4	3753	3811		10.4613051133
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NM_019070	DDX49	1231	1282		6.42949133067
NM_019070	DDX49	72	200		8.43350893085
NM_019070	DDX49	365	419		6.43350219979
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NM_019070	DDX49	746	822		6.43350893063
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NM_019072	SGTB	2647	2681		6.84918963448
NM_018358	ABCF3	856	904		6.62947965744
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NM_018358	ABCF3	2367	2433		5.04451715672
NM_018358	ABCF3	1925	1971		5.12463876593
NM_018358	ABCF3	2032	2119		5.12865635856
NM_018358	ABCF3	1640	1760		7.45058446099
NM_018359	UFSP2	313	369		7.17313806697
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NM_001178101	ZNF37A	5379	5415		9.08719694956
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NM_001178101	ZNF37A	3436	3472		8.00707534035
NM_018356	C5orf22	668	721		8.6682864016
NM_018356	C5orf22	977	1061		7.66426903734
NM_018356	C5orf22	1582	1699		8.9902147324
NM_018356	C5orf22	761	829		6.66827990646
NM_016497	MRPL51	448	509		6.09102315142
NM_016497	MRPL51	515	656		6.4535932308
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NM_001305	CLDN4	904	1027		10.0052009123
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NM_001304	CPD	3367	3436		8.56212511477
NM_001304	CPD	7059	7104		6.10269349613
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NM_001304	CPD	3859	4027		9.91004841819
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NM_001304	CPD	370	411	5.01855428675
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NM_001304	CPD	5824	6096	9.00958409174
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NM_001304	CPD	303	370	5.10269348858
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NM_001304	CPD	4557	4650	6.10269349613
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NM_001304	CPD	682	735	6.10269326021
NM_001304	CPD	547	663	6.68765599685
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NM_001304	CPD	7539	7649	7.10269349613
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NM_001304	CPD	4688	4844	7.10269349613
NM_001304	CPD	5567	5660	7.91004841819
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NM_030628	INTS5	158	192	12.425382309
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NM_030629	CMIP	2808	2861	4.61855537368
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NM_030624	KLHL15	837	892	9.42638416009
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NM_030621	DICER1	5222	5309	6.4720609461
NM_030621	DICER1	6736	6784	6.47205421505
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NM_021213	PCTP	231	294	3.45137269765
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NM_021078	KAT2A	1820	1872	6.02510966975
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NM_021075	NDUFV3	1387	1446	8.76593803786

NM_021074	NDUFV2	685	802	5.74253344108
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NM_173079	RUNDC1	2867	2922	7.32357801908
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NM_153485	NUP155	3945	4032	10.6852191146
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NM_001174108	ZBED6	589	664	9.93241261134
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NM_001174108	ZBED6	53	108	8.61048451645
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NM_001174100	PCBP4	1099	1137	8.00868453382
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NM_001174105	CD14	367	440	11.4315190063
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NM_000308	CTSA	2110	2243	6.65427512074
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NM_201524	GPR56	2947	3029	10.410690516
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NM_181465	MRPL55	152	215	5.0490292254
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NM_000302	PLOD1	2612	2683	4.14148960208
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NM_181466	EIF6	911	1062	6.25072057733
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NM_001164273	MGA	5829	5911	6.41424019035
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NM_001102426	TBC1D8	2439	2518	4.78052350997
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NM_003309	TSPYL1	2868	2939	5.25958097673
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NM_003309	TSPYL1	1189	1232	6.844543485
NM_003309	TSPYL1	1615	1682	5.25958098427
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NM_003309	TSPYL1	3267	3336	5.25958098406
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NM_003309	TSPYL1	1849	1896	5.25958097673
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NM_175921	C5orf51	2777	2834	7.51329150595
NM_175921	C5orf51	3270	3347	6.51345852522
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NM_001002001	GMPR2	906	982	3.35977979497
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NM_004517	ILK	428	479	4.36814478975
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NM_004517	ILK	837	923	6.36831180902
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NM_181443	BTBD3	2849	2900	5.82936624671
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NM_006802	SF3A3	428	495	4.82167884234
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NM_002211	ITGB1	304	364	4.09179785932
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NM_022553	VPS52	2065	2190	6.9368186254
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NM_002216	ITIH2	3031	3108	3.0666429826
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NM_001166102	NDUFV1	588	625	4.58370876496
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NM_014949	KIAA0907		2651	2740 7.79947794915
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NM_014941	MORC2	1902	1942		6.02702243618
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NM_014944	CLSTN1	2305	2434		7.93304368984
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NM_005073	SLC15A1	1085	1136	13.6691011826
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NM_032390	MKI67IP	298	401	6.10411547124
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NM_018064	AKIRIN2	96	137	6.16579940811
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NM_015092	SMG1	10393	10585	7.2840122088
NM_015092	SMG1	3096	3353	9.13200911535
NM_015092	SMG1	14093	14203	5.96208411391
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NM_015092	SMG1	1644	1955	10.0913671309
NM_015092	SMG1	7341	7420	6.54704661441
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NM_015092	SMG1	9622	9682	5.96208410636
NM_015092	SMG1	4192	4440	8.54704661463
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NM_015092	SMG1	7167	7322	5.9620841139
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NM_015092	SMG1	978	1106	6.54704661463
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NM_015092	SMG1	3563	3749	8.76943903597
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NM_015092	SMG1	2775	2850	5.96208410636
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NM_018061	PRPF38B	61	109	3.13944000702
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NM_018062	FANCL	1070	1122	5.80407195045
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NM_018062	FANCL	1497	1618	7.38920820148
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NM_018063	HELLS	321	383	6.84292947588
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NM_018063	HELLS	814	881	8.84292275237
NM_018063	HELLS	1652	1701	6.8429294832
NM_018063	HELLS	2165	2208	6.83891188325
NM_018063	HELLS	1090	1161	7.84292275237
NM_018063	HELLS	2393	2484	7.84292948342
NM_018063	HELLS	1484	1568	8.8429294832
NM_018063	HELLS	1262	1356	9.16485757831
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NM_018063	HELLS	2987	3106	8.84292948343
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NM_018063	HELLS	1872	2088	10.4278919841
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NM_001009877	BRD9	1161	1225	5.62456599653
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NM_001798	CDK2	69	121	7.58201135522
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NM_001798	CDK2	773	944	10.045460574
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NM_130464	NPIPL3	1054	1113	5.06085594943
NM_130464	NPIPL3	476	560	7.06085594943
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NM_130464	NPIPL3	1670	1775	6.64581845015
NM_130464	NPIPL3	3315	3401	6.06085594943
NM_130464	NPIPL3	2390	2424	5.06085594921
NM_130464	NPIPL3	2138	2171	5.06085594943
NM_130464	NPIPL3	3402	3554	8.06085594943
NM_130464	NPIPL3	2517	2626	7.06085594943
NM_130464	NPIPL3	1543	1634	6.06085594943
NM_130464	NPIPL3	3228	3308	6.06085594943

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NM_001829	CLCN3	3539	3598	6.90736975329
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NM_001829	CLCN3	5491	5544	6.90335215312
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NM_001829	CLCN3	1910	2051	9.07729475473
NM_001829	CLCN3	763	806	7.49215850369
NM_001829	CLCN3	2150	2221	5.90335215312
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NM_001826	CKS1B	247	309	6.38658534177
NM_001826	CKS1B	635	791	9.2936496877
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NM_001826	CKS1B	73	243	8.84619071073
NM_001827	CKS2	1	84	5.94835759975
NM_001827	CKS2	92	388	8.62642950486
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NM_001823	CKB	728	844	5.35885647811
NM_001823	CKB	1151	1207	4.76987637721
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NM_001792	CDH2	3148	3210	4.78974857016
NM_001792	CDH2	2118	2157	4.70560959669
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NM_001821	CHML	1302	1394	7.85734261834
NM_022087	GALNT11	168	207	8.6131448474
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NM_022488	ATG3	329	406	4.30552530002
NM_022483	C5orf28	311	394	8.89390350644
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NM_022486	SUSD1	1745	1805	8.443913238
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NM_152309	PIK3AP1	2620	2668	8.99573628293
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NM_152309	PIK3AP1	830	947	11.4591855017
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NM_152309	PIK3AP1	952	997	8.99573628293
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NM_032936	TMEM60	116	165	8.84116995152
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NM_032936	TMEM60	392	434	7.8371523589
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NM_032936	TMEM60	46	90	7.8371523589
NM_032936	TMEM60	455	543	9.42613245979
NM_032936	TMEM60	564	671	10.4261324598
NM_000183	HADHB	1416	1459	5.03276473117
NM_000183	HADHB	510	545	4.1168972095
NM_000183	HADHB	708	752	5.11288634038
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NM_000183	HADHB	601	663	5.6978488411
NM_000183	HADHB	1500	1532	4.03276473117
NM_000183	HADHB	755	860	6.11690394055
NM_000183	HADHB	1254	1321	5.70186644127
NM_000183	HADHB	860	999	5.70186644127
NM_001160116	C15orf40		332	396 9.36760293494
NM_032344	NUDT22	693	755	11.6688747303
NM_020931	KIAA1586		281	348 6.41201452857
NM_020935	USP37	369	457	6.17050042413
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NM_020937	FANCM	152	209	9.75127924208
NM_001172	ARG2	244	329	5.9660599973
NM_001172	ARG2	1018	1105	4.38109726821
NM_001172	ARG2	144	216	4.38109726821
NM_001172	ARG2	329	373	4.37707990395
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NM_001172	ARG2	680	841	7.70302559901
NM_152307	TRMT61A	421	469	11.1947127849
NM_004671	PIAS2	241	278	4.8180277527
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NM_004672	MAP3K6	578	617	12.3481263403
NM_025214	CCDC68	1658	1715	5.02652660219
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NM_025219	DNAJC5	3397	3431	5.41488624053
NM_025219	DNAJC5	2937	2997	6.4189038407
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NM_025219	DNAJC5	970	1009	4.33476463132
NM_025219	DNAJC5	565	647	4.41890360479
NM_025219	DNAJC5	1543	1605	6.41890384071
NM_025219	DNAJC5	2337	2428	6.00386634121
NM_025219	DNAJC5	3467	3506	6.65669272621
NM_025219	DNAJC5	2692	2776	4.4189038407
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NM_025219	DNAJC5	4279	4474	7.00386634143
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NM_032340	C6orf125		219	266 4.86292906418
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NM_001135789	PPIAL4C	523	565	6.92795395885
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NM_017802	HEATR2	839	908	7.84150720808
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NM_017802	HEATR2	1575	1606	6.83748960791
NM_017802	HEATR2	1276	1348	9.16343530297
NM_017802	HEATR2	2768	2825	8.4264697088
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NM_017801	CMTM6	2719	2783	8.11904779532
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NM_017801	CMTM6	985	1027	8.61987108688
NM_017801	CMTM6	256	334	9.70401029627
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NM_017801	CMTM6	737	798	7.11887404523
NM_017801	CMTM6	2073	2150	8.03490858616
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NM_153812	PHF13	3283	3398	7.65079921078

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NM_018976	SLC38A2	3415	3468	2.15278834842
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NM_018976	SLC38A2	3616	3751	5.05967894403
NM_172003	CBWD2	562	603	5.70637602657
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NM_172003	CBWD2	442	507	5.70637603411
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NM_172002	HSCB	811	879	6.37350486687
NM_016310	POLR3K	400	482	9.12740195165
NM_016312	WBP11	2358	2444	5.87579207451
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NM_015956	MRPL4	858	914	7.78619612789
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NM_015953	NOSIP	599	689	6.56465035526
NM_015950	MRPL2	582	625	5.27603740358
NM_015950	MRPL2	297	334	6.27202653446
NM_015950	MRPL2	999	1069	6.85698903518
NM_138455	CTHRC1	939	976	7.46440885436
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NM_138457	FOXP4	1858	1960	5.3855475193
NM_138457	FOXP4	2012	2050	5.38538050003
NM_138457	FOXP4	1774	1828	6.30141504097
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NM_138459	NUS1	2745	2820	6.08485854539
NM_138459	NUS1	1294	1367	5.4958784445
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NM_138459	NUS1	296	374	5.49989603712
NM_138459	NUS1	3516	3671	6.82182413956
NM_138459	NUS1	760	963	7.66982104611
NM_138459	NUS1	993	1200	7.95932766331
NM_138459	NUS1	1677	1895	7.95932766331
NM_001033002	RPAIN	792	879	7.37727394198
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NM_001199292	HSD17B4	2246	2314	5.73803204884
NM_001199292	HSD17B4	2495	2534	4.73802531779
NM_001199292	HSD17B4	647	732	6.32299454956
NM_001199292	HSD17B4	1206	1313	5.73803204884
NM_001199292	HSD17B4	1446	1505	6.90795705028
NM_001199292	HSD17B4	1380	1431	6.5453869709
NM_001199292	HSD17B4	1876	1941	4.73803204883
NM_001199292	HSD17B4	1673	1723	4.73802531779
NM_001199292	HSD17B4	2038	2104	5.73803204884
NM_001199292	HSD17B4	1505	1562	6.05996014373
NM_001199292	HSD17B4	2343	2446	5.32299454956

NM_001199292	HSD17B4	1728	1835	5.32299454956
NM_001199292	HSD17B4	2149	2188	5.32282079924
NM_001199292	HSD17B4	740	932	7.05996014373
NM_001199292	HSD17B4	1059	1194	6.5453869709
NM_001199292	HSD17B4	248	437	6.05996014373
NM_001199292	HSD17B4	466	556	4.65389283946
NM_001199290	PHOSPH02-KLHL23	1739	1792	6.17803434167
NM_001199290	PHOSPH02-KLHL23	820	886	6.09791273246
NM_001199290	PHOSPH02-KLHL23	3957	4013	7.18205170592
NM_001199290	PHOSPH02-KLHL23	1323	1440	8.18205194184
NM_001199290	PHOSPH02-KLHL23	2020	2078	7.18204521079
NM_001199290	PHOSPH02-KLHL23	556	665	7.76701444256
NM_001199290	PHOSPH02-KLHL23	694	816	7.76701420665
NM_178439	GMCL1	1245	1294	5.86529352221
NM_178439	GMCL1	909	972	4.86529352221
NM_001080501	TMEM223	341	387	9.10060212822
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NM_001080501	TMEM223	146	254	10.1006021282
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NM_001204173	C8orf44-SGK3		551	603 8.55021830215
NM_152231	FBX034	1465	1512	9.10172855776
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NM_001127889	SPG21	173	256	9.32320229599
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NM_015137	EFR3A	4471	4509	5.49977031466
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NM_015130	TBC1D9	704	751	8.54512885492
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NM_015130	TBC1D9	4117	4187	8.54530236932
NM_015130	TBC1D9	2567	2665	8.13026510596
NM_015130	TBC1D9	5160	5318	8.13026510596
NM_015421	TMEM186	383	418	7.84879036913
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NM_015132	SNX13	2447	2508	6.85375350519
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NM_001142864	PIEZ01	7516	7584	8.42348407111
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NM_052972	LRG1	1050	1154	8.62462523022
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NM_014172	PHPT1	637	677	3.92583376949
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NM_001080394	KIAA0146		1609	1665 6.93495419497
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NM_006634	VAMP5	326	369	8.0923813855
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NM_015094	HIC2	2334	2411	7.72257783839
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NM_145810	CDCA7	2028	2131	7.09414710609
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NM_145810	CDCA7	2154	2259	6.50918436945
NM_145810	CDCA7	1131	1156	5.50516700519
NM_145810	CDCA7	229	265	6.50516700519
NM_145810	CDCA7	1920	1989	5.50901085505
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NM_006577	B3GNT2	2361	2444	4.38032491674
NM_006577	B3GNT2	1073	1110	5.384342281
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NM_198447	GOLT1A	201	359	11.5148343274	
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NM_000185	SERPIND1		2130	2173	0.693765078683
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NM_015308	FNBP4	3393	3439	4.95039584288
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NM_015305	ANGEL1	1079	1120	8.78559689899
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NM_005051	QARS	2618	2652	3.70482814925
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NM_005722	ACTR2	2905	2978	3.82020753341
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NM_015937	PIGT	1793	1867	8.51342520643
NM_015937	PIGT	2125	2164	6.51342497052
NM_015937	PIGT	314	377	7.50940760626
NM_015937	PIGT	408	457	9.09838770716
NM_015937	PIGT	993	1107	9.51342520643
NM_015937	PIGT	1160	1219	7.51342520643
NM_015937	PIGT	2194	2242	6.51342497052
NM_015937	PIGT	2070	2119	7.51325145612
NM_015937	PIGT	99	269	9.09838770716
NM_015937	PIGT	760	900	8.09838770716
NM_015937	PIGT	1352	1479	8.51342520643
NM_015937	PIGT	1521	1615	9.09838770716
NM_015937	PIGT	457	537	8.51342520643
NM_015937	PIGT	1638	1739	8.51342520643
NM_015933	CCDC72	114	155	2.68563842346
NM_015933	CCDC72	244	368	2.76977763285
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NM_015932	POMP	115	335	10.2089908083
NM_015932	POMP	677	732	6.56496086824
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NM_001012507	CENPW	573	763	5.55597172154
NM_138434	C7orf29	1711	1801	10.9873148419
NM_138434	C7orf29	2606	2697	10.9873148417
NM_138434	C7orf29	862	923	9.98731483435
NM_138434	C7orf29	2055	2094	9.40234561012
NM_138434	C7orf29	2749	2816	9.98731483435
NM_138434	C7orf29	2255	2330	9.98730811084
NM_138434	C7orf29	478	566	8.40235234117
NM_138434	C7orf29	1135	1217	9.40235234118
NM_138434	C7orf29	1225	1307	9.40235234118
NM_138434	C7orf29	0	92	9.40235234118
NM_138431	MFSD3	477	551	12.3743977274
NM_138431	MFSD3	6	95	11.9593602282
NM_138431	MFSD3	1330	1412	11.9593602282
NM_138431	MFSD3	976	1051	11.3743977199
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NM_005165	ALDOC	1351	1391	4.57270113052
NM_005165	ALDOC	452	672	6.65684033991
NM_001242534	MFSD11	554	610	8.45388264181
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NM_001242534	MFSD11	1659	1705	8.45388264181
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NM_001242534	MFSD11	2115	2183	7.86892014109

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NM_007348	ATF6	1274	1350	6.75986715577
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NM_007348	ATF6	1376	1431	5.75969340546
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NM_007348	ATF6	408	454	4.75986715577
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NM_007348	ATF6	723	764	4.67572794639
NM_007348	ATF6	1915	1995	7.08179525066
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NM_007348	ATF6	143	294	7.08179525066
NM_007348	ATF6	1130	1268	6.34482965649
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NM_007348	ATF6	297	361	6.34482964895
NM_007348	ATF6	455	621	7.34482965649
NM_007348	ATF6	1548	1691	6.75986715577
NM_007345	ZNF236	4146	4199	10.469227994
NM_007347	AP4E1	5794	5840	7.97927208188
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NM_007347	AP4E1	2075	2132	9.97943910114
NM_007346	OGFR	254	319	6.31850715856
NM_007346	OGFR	342	452	6.90346965929
NM_001242539	NCOA6	3536	3630	7.75550486888
NM_001242539	NCOA6	354	416	7.75148726871
NM_001242539	NCOA6	3857	3914	5.75549813783
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NM_001242539	NCOA6	919	994	5.75148726871
NM_001242539	NCOA6	3428	3484	5.75148726871
NM_001242539	NCOA6	3155	3201	5.75148726871
NM_001242539	NCOA6	1016	1066	6.75549813783
NM_001242539	NCOA6	205	311	8.07743296377
NM_001242539	NCOA6	3921	4035	5.75550486888
NM_007342	NUPL2	980	1051	7.99894190692
NM_007342	NUPL2	382	417	8.00278575677
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NM_017684	VPS13C	6495	6529	8.24668808858
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NM_017684	VPS13C	9886	9963	8.83549443916
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NM_017684	VPS13C	10032	10097	7.24668808858
NM_017684	VPS13C	4562	4648	9.57263377609
NM_017684	VPS13C	7390	7451	8.25070568121
NM_017684	VPS13C	5371	5428	8.83566818925
NM_017684	VPS13C	12270	12340	8.8316505893
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NM_017684	VPS13C	11792	11869	7.25070568875
NM_017684	VPS13C	3545	3619	7.16656647937
NM_017684	VPS13C	2107	2171	8.83566795356
NM_017684	VPS13C	8980	9062	7.24668808858
NM_017684	VPS13C	12852	12901	7.2506989577
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NM_173481	C19orf21		1920	1973 9.66396583337
NM_173481	C19orf21		1810	1864 8.58384422416
NM_017688	BSPRY	624	700	10.5276343453
NM_017688	BSPRY	229	291	11.5316452144
NM_025099	CTC1	5201	5233	11.3109773017
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NM_025099	CTC1	4828	4898	11.533369723
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NM_025090	USP36	1160	1207	7.82237682822
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NM_025092	ATHL1	2294	2350	7.53594692188
NM_024329	EFHD2	2111	2155	4.28349925523
NM_024324	CRELD2	1173	1267	8.24492047353
NM_024324	CRELD2	457	567	8.56684856842
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NM_024324	CRELD2	1296	1388	7.24492047353
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NM_024324	CRELD2	670	894	8.56684856842

NM_001080512	BICC1	1220	1264	9.91388977012
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NM_001080512	BICC1	594	683	11.4948349066
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NM_004215	EBAG9	565	625	5.33330223342
NM_024857	ATAD5	5728	5796	8.38496193711
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NM_001080517	SETD5	1205	1248	3.82253467151
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NM_001080517	SETD5	3132	3263	5.82253490743
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NM_001080517	SETD5	4262	4318	3.82252817638
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NM_175886	PRPS1L1	452	491	12.2604857419
NM_017420	SIX4	4023	4146	9.77241237957
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NM_001195478	TFG	767	825	4.8723916903
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NM_003847	PEX11A	706	771	8.58940880923
NM_001193417	DDX3X	3376	3462	4.43936029779
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NM_001193417	DDX3X	1053	1227	5.85439779707	
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NM_003518	HIST1H2BG		328	423	8.50053272757
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NM_003519	HIST1H2BL		194	248	10.8631028145
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NM_003514	HIST1H2AM		92	170	10.352741893
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NM_032051	PATZ1	1719	1762	6.59517804495	
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NM_003517	HIST2H2AC		150	319	9.30213002964
NM_003047	SLC9A1	4140	4194	8.1674022051	
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NM_003512	HIST1H2AC		31	134	11.0090431754
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NM_003513	HIST1H2AB		15	88	10.9783463782
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NM_001139457	BCAP31	1335	1400	2.39275159126	
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NM_001139457	BCAP31	604	913	8.17411130479	
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NM_207046	ENSA	83	119	3.84930246763	
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NM_207046	ENSA	799	875	3.85332006025
NM_001206682	ATF7	165	234	6.78276678042
NM_001042404	CEP170	579	642	7.84260833887
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NM_001031710	KLHL7	1780	1834	6.9590810043
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NM_005911	MAT2A	2170	2240	4.28856678559
NM_005911	MAT2A	2058	2112	4.28856005453
NM_005911	MAT2A	2864	2899	4.28454918541
NM_005911	MAT2A	297	352	5.28856678558
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NM_005911	MAT2A	1151	1212	6.28856654967
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NM_005911	MAT2A	1706	1809	6.28856678559
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NM_005911	MAT2A	356	431	5.87352255525
NM_005911	MAT2A	2318	2509	7.61049488047
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NM_005911	MAT2A	671	778	5.87352928631
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NM_152438	DDX11	1457	1500	6.79380753351
NM_152438	DDX11	1844	1904	7.38278762685
NM_152438	DDX11	1705	1751	6.79380753351
NM_152438	DDX11	3069	3123	5.79782489776
NM_152438	DDX11	2303	2375	7.38278090335
NM_152438	DDX11	1010	1085	6.79782513368
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NM_005915	MCM6	2708	2738	5.95291797199
NM_005915	MCM6	822	876	8.84441210344
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NM_005915	MCM6	1264	1320	7.03688343106
NM_005915	MCM6	2102	2158	7.62201944618
NM_005915	MCM6	2530	2621	7.03705718137

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NM_005915	MCM6	2451	2521	8.35898527627
NM_005915	MCM6	1372	1553	10.4293746042
NM_005915	MCM6	1867	2097	9.20698218282
NM_005915	MCM6	226	518	10.2849846948
NM_005915	MCM6	2194	2413	9.84441210344
NM_032125	TMEM222	327	404	9.06869288005
NM_032125	TMEM222	493	632	10.2910853016
NM_032124	HDHD2	146	181	4.60513414922
NM_032124	HDHD2	675	731	4.68926662755
NM_005918	MDH2	754	819	5.77413725273
NM_005918	MDH2	1199	1236	3.77413052169
NM_005918	MDH2	831	1026	7.47457697088
NM_005918	MDH2	1027	1177	6.77413725274
NM_005918	MDH2	1253	1319	6.09606534763
NM_005918	MDH2	66	564	8.90342026969
NM_005918	MDH2	592	748	6.5814921748
NM_005918	MDH2	1333	1460	5.77413725274
NM_032121	MAGT1	1651	1706	8.07265962053
NM_032121	MAGT1	493	578	9.35276753973
NM_032121	MAGT1	1175	1243	8.8502671992
NM_032121	MAGT1	2615	2652	5.26529796742
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NM_032121	MAGT1	142	492	10.8502671992
NM_032121	MAGT1	3930	3998	6.2612870983
NM_032121	MAGT1	1246	1352	7.58723279336
NM_032121	MAGT1	3576	3676	8.43522969992
NM_032121	MAGT1	906	1160	10.6915694532
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NM_032121	MAGT1	3100	3187	5.2612870983
NM_032120	C7orf64	573	646	5.66092450801
NM_032122	DTNBP1	1203	1270	6.90186967493
NM_031299	CDCA3	289	411	7.21607934565
NM_031299	CDCA3	861	921	6.21607261459
NM_031299	CDCA3	969	1026	8.21206174547
NM_031299	CDCA3	1027	1108	8.53800744053
NM_031299	CDCA3	474	588	8.21607934565
NM_001039591	USP9X	2616	2667	7.7311545874
NM_001039591	USP9X	3080	3110	6.32508728313
NM_001039591	USP9X	6446	6525	6.99418875731
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NM_004489	GPS2	564	629	6.6608277147
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NM_001039375	C20orf7	443	485	7.08602633635
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NM_001031685	TP53BP2 1683	1751		7.20790860663
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NM_001031685	TP53BP2 2305	2361		7.20790837093
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NM_001031685	TP53BP2 640	725		6.20790860685
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NM_001031684	SRSF7	162	215	3.41933722849	
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NM_033296	MRFAP1	596	1002	6.98136299201	
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NM_033290	MID1	1881	1928	10.1141787733	
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NM_181800	UBE2C	65	142	8.97324851053	
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NM_181806	AASDH	894	968	10.6716187069	
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NM_004486	GOLGA2	364	439	4.24881222417	
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NM_052916	RNF157	2206	2268	10.6346428193	
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NM_052917	GALNT13	1650	1694	11.1017771973
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NM_001343	DAB2	1233	1298	8.19515439404
NM_001343	DAB2	526	560	6.61018516249
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NM_001347	DGKQ	4450	4510	9.01140593103
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NM_001349	DARS	1281	1338	1.62031982704
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NM_001348	DAPK3	315	390	7.70687513519
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NM_022075	CERS2	2417	2470	5.3037527532
NM_022075	CERS2	2278	2365	5.3037527532
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NM_022072	NSUN3	986	1031	10.1907172632
NM_022070	HEATR6	2600	2694	7.78364757602
NM_021252	RAB18	670	770	6.22697940645
NM_001024845	SLC6A9	2670	2730	8.0118474212
NM_001024845	SLC6A9	504	536	8.01569127105
NM_021259	TMEM8A	3556	3612	7.56773362715
NM_021259	TMEM8A	779	823	5.8986386481
NM_021259	TMEM8A	969	1025	7.5677403582
NM_021259	TMEM8A	276	344	6.97876025731
NM_021259	TMEM8A	2204	2301	7.56774035065
NM_021259	TMEM8A	1911	1977	7.5677403582
NM_021259	TMEM8A	3241	3296	5.98277784993
NM_021259	TMEM8A	3329	3381	5.98277785747
NM_021259	TMEM8A	616	765	6.98277785748
NM_021259	TMEM8A	2006	2122	8.79013277954
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NM_021259	TMEM8A	2379	2592	8.98277785748
NM_021259	TMEM8A	1335	1673	10.6266340473
NM_021258	IL22RA1	559	602	8.42815697504
NM_021258	IL22RA1	749	802	8.51212243411
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NM_194314	ZBTB41	1859	1911	10.1415073977
NM_194314	ZBTB41	1963	2027	8.56038874679
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NM_005053	RAD23A	1101	1137	3.98484944405
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NM_005053	RAD23A	1491	1525	3.98484944405
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NM_012469	PRPF6	1551	1590	4.56296972969
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NM_012469	PRPF6	2248	2334	3.98185107883
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NM_012469	PRPF6	117	192	3.98201809809
NM_012469	PRPF6	341	391	2.89788561976
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NM_005052	RAC3	604	652	10.1039257601
NM_005052	RAC3	214	395	12.3579899709
NM_005052	RAC3	726	806	9.18806496947

NM_005052	RAC3	439	600	10.7730274702	
NM_012463	ATP6V0A2		1649	1745	11.743656598
NM_012463	ATP6V0A2		1454	1522	10.936301676
NM_012463	ATP6V0A2		2259	2303	8.93612792566
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NM_012463	ATP6V0A2		2380	2433	10.5212641767
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NM_012463	ATP6V0A2		529	706	11.2582297709
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NM_012463	ATP6V0A2		1079	1207	10.936301676
NM_012460	TIMM9	666	762	4.18320605369	
NM_014435	NAAA	570	662	8.15371346469	
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NM_014435	NAAA	357	411	8.47563482852	
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NM_174917	ACSF3	1761	1821	7.92240351301	
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NM_174916	UBR1	4527	4568	6.76092445276	
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NM_174913	C14orf21		1982	2045	7.43517443237
NM_174913	C14orf21		715	770	5.8502119241
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NM_174913	C14orf21		814	939	7.43517443237
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NM_174913	C14orf21		2797	2886	7.43517443237
NM_174913	C14orf21		4969	5093	6.85021193165
NM_133450	ANKS3	1619	1671	9.50008777603	
NM_178026	GGT7	827	922	8.17506112042	
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NM_178026	GGT7	555	678	10.1750611204	
NM_178026	GGT7	1922	2022	9.17506112042	
NM_014430	CIDEB	1371	1422	3.51619580133	
NM_014430	CIDEB	1468	1506	3.51235195148	
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NM_004731	SLC16A7	5065	5210	13.2665140672	
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NM_004731	SLC16A7	6559	6633	13.8514765679	

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NM_004731	SLC16A7 4312	4404	13.588442162
NM_004731	SLC16A7 8152	8181	11.262496467
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NM_004731	SLC16A7 879	943	13.2665140672
NM_004731	SLC16A7 2410	2490	12.2665140672
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NM_004731	SLC16A7 4812	4868	13.2665140672
NM_004731	SLC16A7 8879	8909	12.8514765679
NM_004731	SLC16A7 3309	3363	12.8513028176
NM_004731	SLC16A7 1878	1955	13.2665140672
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NM_004731	SLC16A7 9182	9275	12.2665140672
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NM_004731	SLC16A7 1554	1652	12.851476332
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NM_004731	SLC16A7 2814	2910	13.2665140672
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NM_004731	SLC16A7	11361	11685	15.1734046628
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NM_004730	ETF1	3249	3281	2.67207573074
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NM_004730	ETF1	1938	1983	2.75620820907
NM_004730	ETF1	1879	1909	3.75219733996
NM_004730	ETF1	613	693	5.56356986219
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NM_004733	SLC33A1	1514	1559	10.3099305149
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NM_004733	SLC33A1	662	740	9.50257558525
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NM_004733	SLC33A1	1815	2052	12.0875380935
NM_004733	SLC33A1	1610	1727	10.6725005942
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NM_004735	LRRFIP1	3483	3533	2.05057077316
NM_005420	SULT1E1	83	221	10.3649427316
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NM_004739	MTA2	1549	1636	8.28063108821
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NM_004739	MTA2	366	508	9.28063108821
NM_004086	COCH	1502	1548	7.02904885965
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NM_004086	COCH	1242	1304	9.35097696209
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NM_004086	COCH	1638	1727	8.83640378926
NM_004086	COCH	505	714	10.42136629
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NM_004086	COCH	1729	1776	6.02887511688
NM_004086	COCH	67	160	8.61401136792
NM_004086	COCH	167	395	9.72948858534
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NM_001201545	RBM15	2203	2286	8.8255499958
NM_001201545	RBM15	1800	1843	9.4105122606
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NM_001128126	AP4S1	1390	1435	5.7328703435
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NM_000344	SMN1	847	902	7.31847532897
NM_000346	S0X9	1672	1736	3.97680213422
NM_000346	S0X9	3105	3170	5.56176463494
NM_000346	S0X9	2339	2390	5.56176463472
NM_000346	S0X9	606	647	5.56176462739
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NM_000346	S0X9	2435	2476	5.56176439902
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NM_000346	S0X9	159	233	3.97680213422
NM_000346	S0X9	1173	1218	3.97278453405
NM_000346	S0X9	2936	2993	4.97679540317
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NM_001164232	DDHD2	642	675	5.31161168261
NM_001164232	DDHD2	2349	2413	6.89657418333
NM_000340	SLC2A2	870	982	9.22541103799
NM_000340	SLC2A2	1856	1911	7.64044853727
NM_000340	SLC2A2	541	583	7.05146843637

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NM_133502	ZNF274	1500	1557	8.06817406358
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NM_000434	NEU1	113	441	11.3927099958
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NM_006827	TMED10	2000	2042	5.00845803301
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NM_006827	TMED10	2343	2437	5.09259724239
NM_006827	TMED10	65	277	8.03119669773
NM_006827	TMED10	813	885	5.50763474167
NM_006827	TMED10	1515	1596	6.31498966373
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NM_006827	TMED10	1009	1244	8.55202886103
NM_006827	TMED10	284	797	9.48491466517
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NM_006826	YWHAQ	1565	1640	3.266373377
NM_006826	YWHAQ	192	226	2.68141087627
NM_006826	YWHAQ	1843	1903	2.68141087628
NM_006826	YWHAQ	855	943	4.00333897117
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NM_006826	YWHAQ	307	521	5.00333897117
NM_006826	YWHAQ	680	845	5.266373377
NM_006826	YWHAQ	529	640	4.00333897117
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NM_006825	CKAP4	2938	3000	5.33112994412
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NM_006825	CKAP4	1217	1413	7.13848486618
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NM_006825	CKAP4	2055	2202	7.50105494557
NM_006825	CKAP4	346	473	6.33112994412
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NM_006821	AC0T2	1337	1390	5.35148881867
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NM_006821	AC0T2	1624	1688	6.35550618293
NM_006821	AC0T2	1201	1299	7.94046891957
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NM_006777	ZBTB33	1420	1495	7.43143879738
NM_006777	ZBTB33	4353	4429	7.43545639001
NM_006777	ZBTB33	293	343	9.02041866236
NM_006777	ZBTB33	4006	4052	7.35131718817
NM_006777	ZBTB33	1574	1643	7.43143879738
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NM_198971	HINFP	328	386	7.8187944622
NM_006775	QKI	665	713	2.29385054975
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NM_006775	QKI	1283	1368	3.29385054975
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NM_006775	QKI	603	646	2.20971134036
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NM_006773	DDX18	1383	1473	5.98120304463
NM_006773	DDX18	1286	1346	5.98120304463
NM_006773	DDX18	792	835	5.24423071941

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NM_006773	DDX18	1621	1658	4.65927471382
NM_006773	DDX18	3170	3220	4.65525734957
NM_006773	DDX18	965	1017	3.65525734957
NM_006773	DDX18	1063	1250	7.24423745046
NM_006773	DDX18	2156	2279	6.24423745046
NM_006773	DDX18	644	717	5.24423744291
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NM_014183	DYNLRB1	224	475	7.28653500587
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NM_005706	TSSC4	14	110	9.46545960721	
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NM_033082	SARNP	339	414	5.39315562098
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NM_015913	TXNDC12	1801	2030	6.58213503929
NM_015914	TXNDC11	591	650	6.58295555212
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NM_015914	TXNDC11	403	467	7.31992114628
NM_015914	TXNDC11	2631	2702	4.99781930108
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NM_001134	AFP	1419	1557	0.89584455499
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NM_001135162	COMT	970	1017	5.41370637272	
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NM_000884	IMPDH2	589	655	4.6998376979	
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NM_001128919	MARK3	2772	2832	4.78721701508
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NM_020690	ANKHD1-EIF4EBP3	6914	6955	5.46865212195
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NM_020690	ANKHD1-EIF4EBP3	3317	3409	7.79075396714
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NM_001079818	ITGA6	204	266	3.60296805551
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NM_152419	HGSNAT	208	274	9.74976374309
NM_152419	HGSNAT	339	422	8.74574614292
NM_152419	HGSNAT	781	842	9.33070864364
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NM_018186	C1orf112		2607	2716 10.1751661524
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NM_018184	ARL8B	1382	1434	6.06664806525
NM_018184	ARL8B	492	551	6.48169229558
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NM_018184	ARL8B	613	753	6.80362039047
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NM_001127649	PEX26	2418	2471	10.8537434603
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NM_002622	PFDN1	888	950	2.93067039573
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NM_013403	STRN4	1844	1884	6.01773803504
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NM_005932	MIPEP	422	504	8.67281138123
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NM_005933	MLL	8718	8768	9.17276123272
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NM_005934	MLLT1	4214	4265	8.30619400296
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NM_005937	MLLT6	162	200	5.23900191829
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NM_018986	SH3TC1	3705	3738	7.98915545234
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NM_015465	GEMIN5	2958	3033	8.14641716422
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NM_018984	SSH1	3796	3844	8.34606698869
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NM_018989	RBM27	1641	1723	6.15511293558
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NM_013341	OLA1	764	820	4.34035060018
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NM_013341	OLA1	1134	1175	2.26022899097
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NM_013341	OLA1	1197	1270	2.34035060018
NM_002168	IDH2	1275	1342	6.60097929686
NM_002168	IDH2	1536	1588	5.2750336018
NM_002168	IDH2	768	828	4.19491199259
NM_002168	IDH2	287	373	6.60097929686
NM_002168	IDH2	879	1027	7.86401370269
NM_002168	IDH2	114	204	5.27905120197
NM_002168	IDH2	384	657	8.44897620341
NM_002168	IDH2	1032	1225	8.08640612403
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NM_019589	YLPM1	5676	5730	5.50788766391
NM_019589	YLPM1	4277	4343	6.50789439496
NM_019589	YLPM1	6472	6531	6.42375518558
NM_019589	YLPM1	2257	2309	6.5038767948
NM_019589	YLPM1	4786	4925	7.09285689569
NM_019589	YLPM1	3932	4075	7.09285689569
NM_019589	YLPM1	6101	6176	7.08883929552
NM_019589	YLPM1	6852	6977	7.09285689569
NM_019589	YLPM1	4487	4588	7.09285689569
NM_019589	YLPM1	5094	5219	5.50789439497
NM_019589	YLPM1	3766	3862	5.50789439497
NM_019589	YLPM1	231	301	6.5038767948
NM_019589	YLPM1	5611	5674	5.5038767948
NM_021969	NR0B2	584	666	7.4852996162
NM_021969	NR0B2	864	915	7.40133415714
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NM_052935	NT5C3L	538	600	6.16537530172
NM_052935	NT5C3L	331	379	4.08525369251
NM_052935	NT5C3L	170	229	5.75434867156
NM_052935	NT5C3L	897	932	5.16921915157
NM_052936	ATG4A	1331	1419	12.6465318898
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NM_052932	TMEM123	1405	1473	1.27005907849
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NM_052932	TMEM123	2449	2500	0.269885328396
NM_052932	TMEM123	402	497	2.5919871736
NM_052932	TMEM123	2356	2397	0.269885328396
NM_052932	TMEM123	512	726	4.5919871736
NM_052932	TMEM123	1704	1774	2.5919871736
NM_052932	TMEM123	2144	2194	1.85501484838
NM_052932	TMEM123	2611	2715	3.07741400077
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NM_052932	TMEM123	1516	1617	2.5919871736
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NM_052932	TMEM123	3082	3285	4.51798659216
NM_052932	TMEM123	2736	2918	3.5919871736
NM_016481	C9orf156		1422	1534 7.49492509874
NM_021961	TEAD1	5411	5495	7.49771771928
NM_021961	TEAD1	9099	9149	7.08268022023
NM_021961	TEAD1	6907	6969	5.49370011933
NM_021961	TEAD1	5205	5257	5.49771098845
NM_021961	TEAD1	1809	1860	5.49370011933
NM_021961	TEAD1	4962	5003	5.41357851012
NM_021961	TEAD1	8722	8836	5.49771771951
NM_021960	MCL1	1497	1584	4.90270963627
NM_021960	MCL1	2304	2335	3.31372953537
NM_021960	MCL1	2022	2096	4.90270962872
NM_021960	MCL1	3799	3884	4.90270963627

NM_021960	MCL1	1684	1763	5.63967523043
NM_021960	MCL1	2118	2182	4.31774713555
NM_021960	MCL1	204	258	3.31774713554
NM_021960	MCL1	1799	1849	3.31774040449
NM_021960	MCL1	2342	2377	4.23360792616
NM_021960	MCL1	1077	1297	6.90270963627
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NM_021960	MCL1	1857	1940	4.90270962872
NM_021960	MCL1	2755	2914	7.1251020576
NM_021960	MCL1	3903	4071	4.90270963627
NM_021960	MCL1	3295	3423	5.90270963627
NM_021960	MCL1	965	1076	5.90270963627
NM_021960	MCL1	3606	3745	4.90270963627
NM_021960	MCL1	614	691	3.31774713555
NM_021960	MCL1	829	920	4.90270963604
NM_021960	MCL1	2941	3109	6.48767213699
NM_021960	MCL1	3430	3536	5.63967523043
NM_021964	ZNF148	485	540	8.52138592164
NM_021964	ZNF148	2654	2690	7.52138592164
NM_021964	ZNF148	2452	2539	8.60150753085
NM_018366	CNO	343	412	6.38545211177
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NM_001697	ATP50	248	288	4.23588973176
NM_001697	ATP50	305	342	5.23588973176
NM_001697	ATP50	403	484	6.15576812255
NM_001697	ATP50	507	738	8.04726225399
NM_001697	ATP50	158	234	5.82486983243
NM_001170795	C2orf28	147	779	9.94912483238
NM_033416	IMP4	881	953	6.58095958572
NM_033416	IMP4	311	353	5.17489228145
NM_033416	IMP4	436	478	4.17489228145
NM_033416	IMP4	818	853	4.17489228145
NM_033416	IMP4	209	262	5.84399399133
NM_033416	IMP4	719	808	6.25903148328
NM_033416	IMP4	550	646	6.84399399155
NM_033414	ZNF622	1387	1454	5.62349305577
NM_033414	ZNF622	1204	1302	4.03853055505
NM_033414	ZNF622	828	935	5.62349306331
NM_033414	ZNF622	444	510	5.62349306332
NM_033414	ZNF622	716	823	6.0385305626
NM_033419	PGAP3	1101	1152	10.6885671171
NM_033419	PGAP3	846	894	9.68839336679
NM_018948	ERRFI1	402	454	2.23972177167
NM_014849	SV2A	2750	2861	10.437556718
NM_171982	TRIM35	1696	1733	9.31102995108
NM_171982	TRIM35	2784	2896	10.3110299586
NM_014846	KIAA0196		837	903 7.55200238624
NM_148894	BOD1L	835	889	4.88794101536
NM_148894	BOD1L	10040	10111	5.97208022452
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NM_148894	BOD1L	4056	4098	5.88794101536
NM_022051	EGLN1	4393	4461	7.22285787828
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NM_022051	EGLN1	5578	5650	5.63387777738
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NM_022051	EGLN1	4593	4640	4.55375616817
NM_022051	EGLN1	3724	3831	5.63789537755
NM_022051	EGLN1	3960	4020	6.95982347244
NM_022051	EGLN1	4065	4282	8.44525029961
NM_022051	EGLN1	3198	3333	6.22285787828
NM_080546	SLC44A1	412	468	5.45619031903
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NM_080546	SLC44A1	890	925	7.26353851004
NM_080546	SLC44A1	4465	4528	6.03713521958
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NM_080546	SLC44A1	1577	1628	4.37205110965
NM_080546	SLC44A1	758	838	7.04115281976
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NM_080546	SLC44A1	1235	1444	8.77811841392
NM_080546	SLC44A1	5558	5578	4.45217271886
NM_080546	SLC44A1	961	1103	7.91562193767
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NM_080546	SLC44A1	1879	2019	7.91562193767
NM_080546	SLC44A1	2146	2254	5.45619008312
NM_080546	SLC44A1	512	754	7.62611532048
NM_080546	SLC44A1	248	404	6.04115281976
NM_080546	SLC44A1	2020	2146	8.15663003718
NM_024782	NHEJ1	461	502	7.34751353462
NM_024782	NHEJ1	619	693	5.84668351223
NM_012112	TPX2	282	333	5.75608260212
NM_012112	TPX2	2800	2841	5.17112010162
NM_012112	TPX2	3604	3680	4.17112009407
NM_012112	TPX2	2667	2747	4.17112010162
NM_012112	TPX2	342	382	5.08698089224
NM_012112	TPX2	3537	3593	4.08698089224
NM_012112	TPX2	1305	1453	7.17112010162
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NM_012112	TPX2	1210	1301	5.17112010162
NM_012112	TPX2	3360	3525	7.63055172026
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NM_012112	TPX2	2133	2666	9.78582994574
NM_012112	TPX2	417	1189	10.6789147418
NM_012112	TPX2	204	279	6.49304819651
NM_012110	CHIC2	460	508	6.82887874824
NM_012110	CHIC2	1040	1115	7.41384797246
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NM_199287	CCDC137	1131	1179	7.96899000068
NM_012116	CBLC	1102	1175	9.87187824087
NM_030980	ISG20L2	252	308	9.31050881516
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NM_012448	STAT5B	1536	1618	5.93614488507
NM_012448	STAT5B	3514	3584	5.93631862784
NM_012449	STEAP1	357	420	5.18065112816
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NM_012449	STEAP1	996	1037	7.18065112794
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NM_012449	STEAP1	184	307	6.18065112816
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NM_174936	PCSK9	2739	2804	9.8831773278
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NM_174936	PCSK9	3545	3690	11.0531023292
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NM_174936	PCSK9	112	173	7.8831773278
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NM_174936	PCSK9	226	358	9.20510542269
NM_174936	PCSK9	561	614	8.8831773278
NM_174936	PCSK9	698	883	11.1311048412
NM_174936	PCSK9	922	1025	6.8831773278
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NM_001177	ARL1	2152	2209	3.68287120972
NM_001177	ARL1	170	202	3.60274960051
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NM_201274	MPRIP	1467	1517	5.91477164983
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NM_201274	MPRIP	273	324	5.91477164983
NM_201274	MPRIP	4007	4080	5.91075404967
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NM_201274	MPRIP	7780	7811	4.91075404967
NM_201274	MPRIP	491	533	5.91459789952
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NM_201274	MPRIP	1890	1955	5.91477164984
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NM_201274	MPRIP	179	268	6.91477141392
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NM_178001	PPP2R4	2011	2085	6.89594008551
NM_178001	PPP2R4	1317	1382	6.89594007796
NM_178001	PPP2R4	320	372	5.89576633519
NM_178001	PPP2R4	1640	1710	7.89593335446
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NM_178001	PPP2R4	1170	1203	6.89192248534
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NM_178001	PPP2R4	1065	1167	6.89594008551
NM_178001	PPP2R4	114	212	7.48090258623
NM_178001	PPP2R4	400	481	6.89594007796
NM_178001	PPP2R4	1556	1626	5.89593984959
NM_178001	PPP2R4	1397	1494	7.48090258623
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NM_178001	PPP2R4	2187	2319	7.89594008551
NM_178001	PPP2R4	243	299	5.89593335446
NM_018011	ARGLU1	907	996	3.04797782033
NM_018011	ARGLU1	1462	1674	4.63294032105
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NM_182552	WDR27	1547	1637	9.80588220705
NM_182552	WDR27	628	683	9.39067095746
NM_182557	BCL9L	5586	5634	7.29347603855
NM_182557	BCL9L	2870	2912	7.28945867429
NM_182557	BCL9L	3697	3766	9.29347627446
NM_182557	BCL9L	5681	5740	8.29347603855
NM_182557	BCL9L	6014	6108	10.1008311965
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NM_182557	BCL9L	1406	1483	7.29347626692
NM_182557	BCL9L	4039	4075	8.28945867429
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NM_018013	SOBP	662	709	8.14354586667
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NM_173587	RCOR2	892	914	7.41027124517
NM_203459	CAMSAP2	6708	6765	6.82792388574
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NM_018015	CXorf57	2466	2525	10.3349892674
NM_173589	DNHD1	1486	1525	8.1233845874
NM_004716	PCSK7	3584	3630	7.8730558166
NM_004716	PCSK7	3365	3432	7.79293420739
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NM_004716	PCSK7	2326	2374	7.87707318085
NM_004716	PCSK7	596	649	7.8730558166
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NM_004713	NEMF	1046	1095	4.23124758835

NM_004712	HGS	2618	2652	6.06829682284
NM_004712	HGS	1676	1713	5.56747329558
NM_004712	HGS	1241	1305	4.56746680045
NM_004712	HGS	1433	1477	6.88940139047
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NM_004712	HGS	2710	2795	6.15243603222
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NM_004712	HGS	735	809	4.56747353128
NM_004712	HGS	1042	1159	7.15243603222
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NM_004710	SYNGR2	327	408	11.2077002922
NM_004710	SYNGR2	1064	1100	7.03776855972
NM_004710	SYNGR2	921	975	7.03776855972
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NM_004710	SYNGR2	483	648	10.3597033857
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NM_004710	SYNGR2	1411	1478	8.03777529077
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NM_001195200	CCDC107	106	160	9.16173720758
NM_015024	XP07	445	495	7.41503315978
NM_015024	XP07	3036	3110	6.83007089497
NM_015024	XP07	2131	2186	6.7459316856
NM_015024	XP07	2641	2704	5.82605329481
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NM_015024	XP07	338	382	7.41503339548
NM_015024	XP07	4193	4239	6.82989714466
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NM_015024	XP07	844	938	6.83007089498
NM_015024	XP07	4388	4419	5.82605329481
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NM_015024	XP07	1342	1484	8.4150333957
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NM_004719	SCAF11	860	919	6.6244448695
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NM_004719	SCAF11	2552	2633	7.20940737022
NM_004719	SCAF11	460	518	4.6244448695
NM_004719	SCAF11	4918	4986	6.20941410127
NM_004719	SCAF11	4802	4885	4.62445160056
NM_004719	SCAF11	2036	2086	4.6244448695
NM_004719	SCAF11	3325	3358	5.6244448695
NM_004719	SCAF11	1929	2022	6.62445160056
NM_004719	SCAF11	256	408	6.62445160056
NM_004719	SCAF11	2455	2547	6.62445160033
NM_004719	SCAF11	148	198	4.62043400038
NM_004719	SCAF11	3068	3157	5.62043400038

NM_004719	SCAF11	1715	1859	6.20941410128
NM_004718	COX7A2L	616	663	5.98329605491
NM_004718	COX7A2L	280	387	6.65239776501
NM_000418	IL4R	443	492	10.2455235142
NM_000418	IL4R	760	825	11.2456972645
NM_000418	IL4R	627	695	10.8306597652
NM_000418	IL4R	2691	2719	10.1615580551
NM_000418	IL4R	3139	3213	9.24569725697
NM_004401	DFFA	302	330	5.14846714698
NM_000411	HLCS	1552	1623	7.57600470377
NM_000411	HLCS	1031	1094	7.5719871036
NM_000416	IFNGR1	139	204	5.50055092214
NM_000416	IFNGR1	207	253	3.9154146711
NM_000416	IFNGR1	1468	1565	7.50055092214
NM_000416	IFNGR1	817	909	7.08551342286
NM_000416	IFNGR1	1871	1953	3.91558842142
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NM_000416	IFNGR1	454	520	4.91558842142
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NM_000416	IFNGR1	260	443	8.00305126267
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NM_006845	KIF2C	1452	1517	6.83411110682
NM_006845	KIF2C	1390	1444	5.24914859855
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NM_006845	KIF2C	2542	2647	7.16500939672
NM_006845	KIF2C	970	1083	8.05650352816
NM_006845	KIF2C	810	903	7.2491486061
NM_006845	KIF2C	2733	2782	6.24513100593
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NM_006845	KIF2C	1261	1357	6.2491486061
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NM_006845	KIF2C	1689	1897	8.41907360754
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NM_001040436	YARS2	898	957	6.35643258168	
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NM_005834	TIMM17B	374	420	8.94747868342	
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NM_020368	UTP3	1004	1039	5.21239597344	
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NM_020362	PITHD1	373	468	7.5285718603	
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NM_144581	C14orf149	516	591	9.37452484998
NM_144580	C1orf85 13	77	10.2828782328	
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NM_006811	SERINC3 2122	2185	7.18097554469	
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NM_002014	FKBP4	1842	1932	4.29041034049	
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NM_013234	EIF3K	159	227	5.33058963312
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NM_013234	EIF3K	477	628	6.20505875104
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NM_006337	MCRS1	987	1124	7.97460936202
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NM_007006	NUDT21	764	812	5.00854925632
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NM_007007	CPSF6	4972	5018	5.33621336042
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NM_006351	TIMM44	403	480	7.05923564134
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NM_003331	TYK2	853	906	9.0921239743
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NM_003331	TYK2	139	246	9.0921239743
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NM_003331	TYK2	2537	2603	8.50715474253
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NM_003331	TYK2	1555	1682	7.50716147358
NM_003331	TYK2	2994	3087	9.0921239743
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NM_003331	TYK2	471	559	8.50716146603
NM_006212	PFKFB2	5891	5939	10.2712724755
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NM_145185	MAP2K7	1905	1963	6.93514032267
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NM_024482	GMEB1	503	567	7.49831737757
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NM_001114600	C1orf144		1250	1299 7.69187167182
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NM_015540	RPAP1	4502	4547	7.72935478407
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NM_020130	C8orf4	1162	1212	2.89309943305
NM_003491	NAA10	378	440	7.54720059139
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NM_003496	TRRAP	9462	9515	9.53366197026
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NM_003496	TRRAP	136	197	8.79267877592
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NM_004175	SNRPD3	1785	1830	1.99760389159
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NM_004095	EIF4EBP1		231	286 5.9323056191
NM_014616	ATP11B	5968	6020	6.68270228681
NM_014616	ATP11B	370	454	7.26767151858
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NM_014615	KIAA0182		6749	6802 7.19448497225
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NM_014614	PSME4	5427	5514		4.64214305172
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NM_005899	NBR1	2258	2305	4.02926529252
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NM_005895	GOLGA3	1096	1139	7.29544923414
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NM_005891	ACAT2	529	591	4.66491318219
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NM_005891	ACAT2	1107	1157	4.34298508708
NM_005891	ACAT2	1321	1351	3.92392998785
NM_005891	ACAT2	1173	1311	4.66491318219
NM_005891	ACAT2	600	736	3.92794758803
NM_005891	ACAT2	415	508	4.34298508731
NM_005891	ACAT2	825	1047	5.66491318219
NM_005891	ACAT2	117	406	6.73530251008
NM_001412	EIF1AX	377	460	5.09986361014
NM_001412	EIF1AX	3498	3554	2.84579939932
NM_001412	EIF1AX	972	1043	1.92993187765
NM_001412	EIF1AX	552	712	5.25186670359
NM_001412	EIF1AX	214	367	3.51490110942
NM_018518	MCM10	902	969	6.91497772156
NM_003721	RFXANK	610	651	8.00716960722
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NM_014478	CRCP	1170	1255	4.80346993764
NM_014478	CRCP	382	434	5.79945234501
NM_014473	DIMT1	528	578	5.98762323596
NM_014473	DIMT1	270	316	6.06774484517
NM_014473	DIMT1	1150	1236	6.07175571429
NM_014473	DIMT1	816	871	5.98762323596
NM_052897	MBD6	3941	3977	10.5271723537
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NM_052897	MBD6	3235	3305	10.5273461038
NM_052897	MBD6	2233	2322	10.4432068946
NM_005095	ZMYM4	2142	2188	6.43671176578
NM_005095	ZMYM4	6781	6817	6.35274630671
NM_005095	ZMYM4	4991	5040	6.35274630671
NM_005095	ZMYM4	6338	6412	6.43286791592
NM_005095	ZMYM4	1586	1633	6.43687878504
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NM_005094	SLC27A4	1280	1343	9.53999441516
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NM_005094	SLC27A4	1432	1485	8.54000113866
NM_005094	SLC27A4	322	417	9.54000114621
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NM_005761	PLXNC1	1356	1441	10.1110629387
NM_005760	CEBPZ	2111	2167	5.2700712296
NM_005760	CEBPZ	516	576	4.68510199805
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NM_005760	CEBPZ	1829	1933	6.00703682399
NM_005760	CEBPZ	2510	2587	3.68510872155
NM_005762	TRIM28	458	514	5.13613972053
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NM_152357	ZNF440	3274	3332	9.26006984994
NM_001005851	ZNF780B	4352	4388	7.75953484278
NM_005768	LPCAT3	117	195	6.62663149559
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NM_005768	LPCAT3	923	1087	9.5335220912
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NM_005768	LPCAT3	1661	1716	7.21158726526
NM_005768	LPCAT3	1157	1357	9.32707121373
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NM_005768	LPCAT3	2042	2114	6.62663149559
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NM_022092	CHTF18	1996	2051	10.0308466504
NM_033643	RPL36	100	277	4.80584472892
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NM_001077261	NCOR2	8416	8482	6.10844714506
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NM_033645	FBXW11	1500	1579	7.97016347338
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NM_033645	FBXW11	379	456	7.64823537849
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NM_033645	FBXW11	1842	1976	8.23319787921
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NM_001144877	SCAI	9343	9423	10.4708932447
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NM_152663	RALGPS2	2755	2800	4.94180334685
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NM_003541	HIST1H4K		280	322 11.0594448032
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NM_198450	AP00L	3988	4024	8.99633305442
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NM_005782	THOC4	27	80	5.38486917113
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NM_020959	AN08	319	417	11.046241042
NM_020959	AN08	2401	2470	10.9621018326
NM_020959	AN08	1473	1560	12.3681691369
NM_032348	MXRA8	308	358	7.51703323227
NM_001040011	SWI5	745	791	6.29220476478
NM_001004106	GRK6	1210	1243	6.44210236324
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NM_001080496	RGP1	804	868	8.59860721562
NM_032607	CREB3L3	944	997	6.92138879473
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NM_016118	NUB1	1034	1123	3.73027747762
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NM_016115	ASB3	1392	1442	8.51038631416

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NM_000671	ADH5	2230	2291	4.17838803818	
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NM_016113	TRPV2	484	505	7.19414501361	
NM_016111	TEL02	1125	1194	8.67753396627	
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NM_015702	MMADHC	1104	1161	5.65491592029	
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NM_015703	RRP7A	1088	1134	5.14183560915	
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NM_015704	PPPDE2	1595	1657	6.8316505893	
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NM_015705	SGSM3	2275	2372	6.54916954682	
NM_015705	SGSM3	2025	2077	7.46503033743	
NM_015705	SGSM3	1903	1959	6.54916281576	
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NM_138389	FAM114A1		1648	1715	4.34566116864
NM_138389	FAM114A1		729	778	5.42979364697
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NM_138384	MTG1	1199	1250	6.37170595648	

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NM_138384	MTG1	639	739	6.37169923298
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NM_138387	G6PC3	695	739	8.73065228256
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NM_138383	MTSS1L	4793	4863	3.74900807658
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NM_138383	MTSS1L	1310	1359	3.74900784067
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NM_138383	MTSS1L	923	968	4.74900807636
NM_138383	MTSS1L	3227	3266	3.74883432627
NM_138383	MTSS1L	3362	3508	6.74900807658
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NM_138383	MTSS1L	1226	1298	4.74900807658
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NM_001002880	CBY1	616	670	5.96359064555
NM_015549	PLEKHG3	3713	3759	8.95911857399
NM_015549	PLEKHG3	1623	1677	9.96296242385
NM_015549	PLEKHG3	4178	4356	11.7704910962
NM_001018060	AIFM3	2264	2326	8.57325542624
NM_001735	C5	1636	1681	4.95141128068
NM_001735	C5	576	685	5.36662253027
NM_001735	C5	2601	2681	3.3626049301
NM_001735	C5	1250	1326	4.36662252272
NM_001735	C5	1424	1470	3.3626049301
NM_001733	C1R	1731	1798	11.6459071058
NM_001733	C1R	1289	1368	11.0569272408
NM_001733	C1R	1908	2000	11.6459073417
NM_001733	C1R	2124	2184	11.0609446051
NM_001733	C1R	466	503	11.0569272408
NM_001733	C1R	243	407	13.2308698424
NM_001733	C1R	2292	2344	10.9768056316
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NM_001730	KLF5	1051	1078	9.35211598774
NM_001730	KLF5	928	1005	11.0212109668
NM_001730	KLF5	1120	1253	10.4362551971
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NM_001731	BTG1	1654	1696	5.66608725445
NM_001731	BTG1	425	486	4.34415915955
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NM_001731	BTG1	705	794	4.92912166028
NM_001731	BTG1	799	938	5.66608725445
NM_001731	BTG1	64	207	6.15151408162
NM_144772	APOA1BP	507	606	8.68889361046
NM_144772	APOA1BP	386	437	7.10393784078
NM_144772	APOA1BP	930	970	8.0197986314
NM_144772	APOA1BP	842	909	8.10393110973
NM_144772	APOA1BP	162	316	9.91129276285
NM_000060	BTD	261	345	9.09971785274
NM_000060	BTD	841	896	8.09954410265
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NM_000060	BTD	1926	1967	7.09954410265
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NM_000060	BTD	1248	1332	8.6005411443
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NM_000065	C6	1666	1752	12.7465178326
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NM_144778	MBNL2	4080	4145	6.95357791644
NM_144778	MBNL2	1164	1221	5.36860868466
NM_144778	MBNL2	3712	3788	7.6905435106
NM_144778	MBNL2	4266	4337	5.36861541572
NM_144778	MBNL2	517	602	6.36861541572
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NM_144778	MBNL2	2708	2778	6.95357118538
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NM_001397	ECE1	962	1040	6.95359971584
NM_001397	ECE1	2197	2258	6.95359970829
NM_001397	ECE1	2089	2171	5.95359970829
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NM_001397	ECE1	241	332	7.27552781072
NM_001397	ECE1	2723	2776	6.53856221656
NM_001397	ECE1	1041	1125	6.53856221655
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NM_001397	ECE1	1437	1543	4.95359971584
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NM_001397	ECE1	3634	3710	4.95359947992
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NM_001397	ECE1	1334	1430	7.53856221656
NM_001397	ECE1	351	440	6.53856221656
NM_001397	ECE1	2512	2575	4.94958211566
NM_021199	SQRDL	1778	1834	6.91651233273
NM_021199	SQRDL	1444	1484	6.91634531347
NM_021199	SQRDL	685	873	8.91651906379
NM_021199	SQRDL	1374	1427	6.91634531347
NM_021194	SLC30A1	1104	1188	8.92913452809
NM_021194	SLC30A1	796	884	8.19217565743
NM_021194	SLC30A1	1583	1631	6.52307395488
NM_014434	NDOR1	1011	1077	9.51644447077
NM_014434	NDOR1	769	833	9.516270728
NM_014434	NDOR1	2726	2797	11.0973893789
NM_014434	NDOR1	1287	1346	9.43230526893
NM_014434	NDOR1	4049	4125	11.101406979
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NM_001130475	THAP5	253	317	7.94416491962
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NM_153188	TNP01	4996	5099	6.75411935894
NM_153188	TNP01	3120	3163	7.16898310812
NM_153188	TNP01	1045	1155	6.75411935916
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NM_153188	TNP01	924	1020	7.49108495333
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NM_153188	TNP01	2996	3089	6.16915685844
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NM_153188	TNP01	599	717	7.49108495333
NM_153188	TNP01	1379	1617	8.62858847708
NM_153188	TNP01	1790	1829	6.16915685089
NM_153188	TNP01	1680	1708	6.08501764906
NM_153188	TNP01	6146	6239	6.16915685844
NM_153188	TNP01	3855	3928	6.16915685089
NM_153188	TNP01	8161	8378	8.33908185988
NM_153188	TNP01	1993	2173	8.86959657658
NM_153188	TNP01	5610	5690	6.75411935894
NM_153188	TNP01	806	923	7.49108495333
NM_153188	TNP01	4092	4146	5.16513925827
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NM_153188	TNP01	5208	5279	6.16513925827
NM_001206647	AKIP1	72	150	8.50205331848

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NM_001206641	C1orf31	507	553	6.78804670987	
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NM_001127213	LY6E	271	374	6.11160112717	
NM_001127211	KIAA1598		3830	3920	4.78891168053
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NM_032477	MRPL41	306	356	3.84406799413	
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NM_032478	MRPL38	664	717	4.78225624902	
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NM_007106	UBL3	951	1045	7.24219839906	
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NM_013398	ZNF224	412	465	9.12610537093	
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NM_013393	FTSJ2	535	584	7.01325614445	
NM_013393	FTSJ2	95	177	8.01727374463	
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NM_013392	NRBP1	742	833	3.50996500974	
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NM_013396	USP25	3671	3757	5.86686568678	
NM_000437	PAFAH2	1488	1531	8.13279421956	
NM_018161	NADSYN1	2090	2154	6.30476023585	
NM_018164	C12orf11		677	742	7.10332676555
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NM_018166	FAM176B	499	576	10.0536865696	
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NM_002359	MAFG	1784	1838	5.49218064713	
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NM_002358	MAD2L1	851	891	7.00515637507	
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NM_002354	EPCAM	257	299	2.26129155724
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NM_002605	PDE8A	1176	1216	6.89815477901
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NM_002356	MARCKS	2307	2377	9.62609282126
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NM_014287	NOM01	3798	4202	8.59591644247
NM_014287	NOM01	2735	2963	7.62100742343
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NM_014281	PUF60	494	561	6.4748663636
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NM_005956	MTHFD1	1549	1592	5.90015569178
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NM_000435	NOTCH3	3293	3332	13.8624921655
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NM_014288	ITGB3BP	926	984	6.90452964016
NM_018706	DHTKD1	326	395	6.81611260159
NM_018703	RBBP6	1187	1247	5.89977670339
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NM_018703	RBBP6	770	807	5.89960318899
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NM_001077690	ALG9	856	934	10.0595234266
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NM_001077690	ALG9	1644	1682	7.97538421721
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NM_018708	FEM1A	1044	1092	11.072863977
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NM_018094	GSPT2	1563	1596	12.659787994
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NM_014366	GNL3	1106	1169	3.24639714412
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NM_014366	GNL3	1858	1923	2.24639715167
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NM_005655	KLF10	610	667	5.99798294003
NM_018471	ZC3H15	1739	1786	1.11615929651
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NM_152299	NCAPH2	1285	1335	6.4767337204
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NM_021946	BCORL1	156	211	8.83777058854
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NM_152295	TARS	2524	2565	4.42902398498
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NM_021943	ZFAND3	904	976	6.06788339569	
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NM_032782	HAVCR2	1606	1649	9.33741360947	
NM_004252	SLC9A3R1		1022	1057	3.83666740503
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NM_014860	SUPT7L	1093	1165	6.5358828474	
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NM_014860	SUPT7L	1006	1081	6.53588283986	
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NM_014864	FAM20B	1375	1417	7.3374859154	
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NM_014865	NCAPD2	1366	1410	5.60516248106
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NM_001142551	WDR47	186	216	7.48212015005
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NM_006736	DNAJB2	696	778	7.73069954167
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NM_014497	ZNF638	2886	2969	5.27101282049
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NM_052876	NACC1	3237	3278	8.90060163277
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NM_052876	NACC1	1211	1255	7.31563913205
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NM_052876	NACC1	472	508	9.31948298191
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NM_005741	ZNF263	1539	1586	7.57563119947
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NM_005746	NAMPT	1824	1977	6.63614650696
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NM_005746	NAMPT	701	771	7.48414341352
NM_005746	NAMPT	989	1037	4.3102008119
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NM_005746	NAMPT	821	935	6.63614650696
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NM_005746	NAMPT	335	590	6.8991809128
NM_005744	ARIH1	1122	1204	4.76152619583
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NM_032312	YIPF4	132	173	7.9196249126
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NM_032312	YIPF4	597	742	10.0352758803
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NM_032313	C4orf14	1773	1869	5.04126798884
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NM_152624	DCP2	458	508	8.19247120726
NM_152624	DCP2	4086	4136	9.18862735741
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NM_016132	MYEF2	3405	3479	5.56283859854
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NM_016139	CHCHD2	48	104	3.89690186177
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NM_015723	PNPLA8	1725	1806	7.77425686528
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NM_001040158	H2AFY	167	205	5.13647589804
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NM_001177643	DAG1	2669	2742	9.5498682289
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NM_138369	BOD1	1074	1133	2.22055370085	
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NM_001240	CCNT1	5104	5160	7.48452351905	
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NM_148977	PANK1	2345	2412	4.91664657579	
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NM_001207014	SERPINH1		192	233	5.80624277622
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NM_000042	APOH	245	302	3.52821525712
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NM_000593	TAP1	946	1047	10.1277352471
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NM_000593	TAP1	386	463	9.80580715224
NM_000593	TAP1	2205	2252	9.30663044357
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NM_021173	POLD4	854	885	8.84701238202
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NM_199166	ALAS1	467	519	7.45996949088	
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NM_199127	GGTLC2	530	572	5.74677740059	
NM_199129	TMEM189	1188	1229	6.66773221213	
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NM_017660	GATAD2A	3552	3587	6.13188428856
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NM_001083625	ANKRD12	8915	8977	5.38718692894
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NM_016399	TRIAP1	296	378	7.81680915467
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NM_016390	C9orf114		1681	1760 6.20526858382
NM_016391	NOP16	657	702	5.95058016917
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NM_016395	PTPLAD1	2819	2853	3.08215646089
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NM_016395	PTPLAD1	386	426	3.08214972985
NM_016395	PTPLAD1	1624	1688	5.88951138296
NM_016395	PTPLAD1	1552	1619	5.08215646089
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NM_016395	PTPLAD1	135	381	7.66711896162
NM_016395	PTPLAD1	2519	2748	6.88951138296
NM_016395	PTPLAD1	1707	2033	7.54158807954
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NM_016396	CTDSPL2	2500	2568	6.22088963089
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NM_003249	THOP1	973	1009	5.34311813313
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NM_003249	THOP1	2291	2361	6.34712900225
NM_178812	MTDH	3397	3467	7.31750274605
NM_178812	MTDH	3032	3099	4.99557441524
NM_178812	MTDH	775	810	4.99540090084
NM_178812	MTDH	3475	3543	4.99557465116
NM_178812	MTDH	625	770	9.1654996526
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NM_001014433	CUTA	729	782	8.54718114479
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NM_017443	POLE3	1676	1762	4.15479942262
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NM_017915	C12orf48		112	229 11.8057506565
NM_178819	AGPAT6	637	684	5.33166936299
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NM_003246	THBS1	5505	5599	7.75455794593
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NM_017916	PIH1D1	241	289	6.12731273555
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NM_153211	TTC39C	1284	1359	6.67074410266
NM_153211	TTC39C	1660	1701	8.25588035348
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NM_173791	PDZD8	2062	2132	7.66160841392
NM_173791	PDZD8	2987	3158	8.83153365129
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NM_002194	INPP1	1489	1521	6.01526017176
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NM_013373	ZDHHC8	462	519	9.77411042295
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NM_172231	SUGP1	1939	1996	5.62318820216
NM_013375	ABT1	1021	1050	7.08539724907
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NM_013374	PDCD6IP	1435	1510	6.32582686543
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NM_013374	PDCD6IP	360	412	5.65672515533
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NM_018146	RNMTL1	1005	1067	5.77602890358
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NM_018145	FAM82A2	735	832	6.75677157944	
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NM_018144	SEC61A2	1469	1517	9.19007740606	
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NM_024527	ABHD8	991	1023	11.0597636732
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NM_032412	C5orf32	822	894	6.65149606182
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NM_001177431	TRPV4	2791	2852	11.8106608331
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NM_019121	LRR68	972	1004	5.83568619513
NM_004827	ABCG2	1967	2019	7.65850532771
NM_004827	ABCG2	2120	2165	8.15950236937
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NM_004496	FOXA1	224	283	7.05843170509
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NM_004490	GRB14	1599	1650	5.32536837232
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NM_012232	PTRF	3008	3067	6.19715314937
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NM_021925	C2orf43	95	140	6.73922430518
NM_021925	C2orf43	639	693	7.82335678351
NM_021927	GUF1	521	560	5.47294440371
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NM_021928	SPCS3	1797	1838	6.05421784084
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NM_001242374	ANAPC13	1204	1249	4.53274386861
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NM_015442	CNOT10	1477	1565	6.44464915413
NM_014806	RUSC2	3621	3674	10.8559179352
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NM_005358	LM07	3691	3734	5.792390879
NM_005358	LM07	2135	2221	5.20742837828
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NM_005358	LM07	3851	3888	4.12329589995
NM_005358	LM07	1837	1901	4.20742837828
NM_005359	SMAD4	1566	1639	8.75874110098
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NM_018725	IL17RB	200	270	6.44956947586
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NM_018725	IL17RB	735	898	8.21510422223
NM_018725	IL17RB	1020	1118	7.12764138098
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NM_018725	IL17RB	1226	1407	8.12764138098
NM_018725	IL17RB	543	720	7.29756638242
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NM_012408	ZMYND8	1410	1494	3.51743433176
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NM_016095	GINS2	393	455	5.13799643618
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NM_000457	HNF4A	3055	3103	4.58932438432
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NM_024738	C12orf49		1104	1169	10.2322252836
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NM_012458	TIMM13	353	381		4.20982933491
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NM_003769	SRSF9	740	775	2.74441727171
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NM_003768	PEA15	716	782	7.80842137673
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NM_032620	GTPBP3	543	586	7.37808756875	
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NM_002419	MAP3K11	1247	1314	7.07752752022
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NM_170754	TENC1	710	761	10.3221007875
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NM_138346	KIAA2013		1100	1179	7.29961162213
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NM_001009894	C12orf29		1074	1127	7.50523732396
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NM_025161	C17orf70		2915	3008	9.10808453044
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NM_021151	CROT	744	810	9.44627207607
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NM_021156	TMX4	1764	1844	5.8922271071
NM_021156	TMX4	2275	2361	5.89222710732
NM_021156	TMX4	724	859	7.89222710733
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NM_012214	MGAT4A	1834	1885	6.45613559301
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NM_001990	EYA3	2070	2111	9.04227858821
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NM_000021	PSEN1	67	148	6.00031233425
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NM_001174159	SH2D4A	1308	1416	7.24744351656
NM_033211	C5orf30	881	974	9.56919786112
NM_001144994	C2orf72	442	508	8.11203270878
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NM_001144994	C2orf72	694	746	8.11203270899
NM_001144994	C2orf72	1487	1523	8.11203247308
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NM_001144994	C2orf72	2698	2739	8.10801510883
NM_001144994	C2orf72	782	943	10.2819577104
NM_001144994	C2orf72	2584	2654	8.11202597795
NM_001144994	C2orf72	1097	1214	9.43396080389
NM_001144994	C2orf72	1655	1827	8.112032709
NM_001144995	CCDC85C	4836	4887	5.29013350811
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NM_001144995	CCDC85C	2517	2589	6.7909635305
NM_001144995	CCDC85C	3736	3784	6.29014000324
NM_001144995	CCDC85C	1768	1825	7.29014000324
NM_001144995	CCDC85C	4228	4328	6.87510273988
NM_001144995	CCDC85C	863	900	6.87509600883
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NM_021908	ST7	2315	2362	7.5217748493
NM_021908	ST7	2412	2525	7.5219483637
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NM_021908	ST7	1425	1458	9.02277189095
NM_021908	ST7	735	793	8.52194186856
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NM_021908	ST7	235	312	10.6918736011
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NM_021908	ST7	538	692	10.6918736011
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NM_018375	SLC39A9	2825	2904	10.0121895105
NM_018375	SLC39A9	339	385	9.42320940964
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NM_018375	SLC39A9	2018	2089	9.42320940964
NM_018375	SLC39A9	3565	3614	8.34308780043
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NM_018375	SLC39A9	112	260	10.0121895105
NM_018375	SLC39A9	4876	4950	10.7491548688
NM_018375	SLC39A9	708	885	12.2345819319
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NM_018129	PNPO	3297	3346	9.05016835911
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NM_018124	RFWD3	2058	2152	6.96106838674
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NM_018127	ELAC2	1729	1817	10.2229211974
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NM_001145353	ELF1	474	539	7.42262560721
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NM_018120	ARMC1	953	1003	6.78011086326
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NM_018122	DARS2	445	479	6.75616206743
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NM_018373	SYNJ2BP	5003	5060	8.86807399755
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NM_014828	TOX4	214	304	7.95657326014	
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NM_014829	DDX46	1503	1563	4.73520618059	
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NM_014829	DDX46	3476	3536	4.73922377322	
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NM_014829	DDX46	1065	1163	5.32418604557	
NM_014829	DDX46	1927	2001	4.73922378076	
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NM_014825	URB1	262	328	9.29206824211	
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NM_014825	URB1	4273	4314	8.28805064949	
NM_014825	URB1	3335	3372	8.87301315021	
NM_014826	CDC42BPA		3974	4023	8.37290973715
NM_014826	CDC42BPA		3766	3814	6.05098164226
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NM_014827	ZC3H11A	2859	2911	5.86068960784	
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NM_014827	ZC3H11A	3164	3231	4.86068937193	
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NM_014827	ZC3H11A	622	751	6.86068960784
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NM_014827	ZC3H11A	4390	4505	7.18261770273
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NM_014827	ZC3H11A	3992	4054	4.86068287679
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NM_014820	TOMM70A	1256	1324	5.45290289485
NM_014820	TOMM70A	357	432	6.2740076984
NM_014820	TOMM70A	4251	4327	5.95207960351
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NM_014820	TOMM70A	1053	1215	7.12200460496
NM_014822	SEC24D	724	754	6.68247870142
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NM_005334	HCFC1	6725	6792	10.3192982534
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NM_005334	HCFC1	2623	2675	8.99737015101
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NM_005334	HCFC1	843	958	8.99737015856
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NM_005334	HCFC1	432	560	10.5823326593
NM_005334	HCFC1	3441	3613	10.9973701586
NM_005334	HCFC1	1359	1520	10.3192982534
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NM_152783	D2HGDH	687	773	8.87124680852
NM_152783	D2HGDH	1427	1487	7.28226671517
NM_032299	DCUN1D5	220	268	5.19465610219
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NM_032299	DCUN1D5	442	519	5.19465586628
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NM_016219	MAN1B1	2067	2124	7.16263036697
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NM_001009984	C20orf194		2252	2308 8.12600860808
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NM_006824	EBNA1BP2		805	857 4.63018114086
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NM_003969	UBE2M	896	952	5.02163529389
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NM_006321	ARIH2	1492	1541	6.03676806145
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NM_194278	C14orf43		4910	4954 8.80887461541
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NM_001083926	ASRGL1	2296	2351	7.24122498627	
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NM_003797	EED	1376	1434	6.70419444023
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NM_003797	EED	1102	1172	7.28915671259
NM_003797	EED	857	990	8.87411944923
NM_024759	NIPAL2	582	664	12.041812797
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NM_024758	AGMAT	1179	1221	3.07877401203
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NM_024757	EHMT1	4234	4278	7.30326330143
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NM_024757	EHMT1	3487	3585	7.89224316641
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NM_003795	SNX3	1148	1185	3.64341950822
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NM_001568	EIF3E	141	240	5.07599494218	
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NM_175614	NDUFA11	477	524	7.87772484132	
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NM_145290	GPR125	2232	2275	5.81649731051	
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NM_005836	HRSP12	394	424	5.10008197229
NM_005839	SRRM1	1273	1332	2.79741570251
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NM_003789	TRADD	509	539	7.41543978889
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NM_006335	TIMM17A	1140	1196	6.75923831328
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NM_006331	EMG1	632	668	4.62186734404
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NM_006330	LYPLA1	166	213	6.60449278238
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NM_005787	ALG3	196	325	8.90795705029
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NM_005781	TNK2	4142	4211	9.27964314127
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NM_005789	PSME3	887	954	4.41593587497

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NM_002788	PSMA3	97	431	6.40198664563
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NM_002787	PSMA2	291	806	10.1741425932
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NM_001039703	NBPF10	9514	9557	8.6334761178
NM_001039703	NBPF10	8766	8823	9.04850688602
NM_001039703	NBPF10	8333	8384	7.0444960169
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NM_033004	NLRP1	950	1011	12.2107591396
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NM_022117	TSPYL2	1510	1598	4.36710705543
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NM_022116	FIGNL1	263	364	9.66405681141
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NM_022157	RRAGC	535	593	9.24075523017
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NM_148172	PEMT	322	404	9.36282374107
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NM_019080	NDFIP2	495	563	9.68842428309
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NM_020846	SLAIN2	1062	1108	6.13134743938
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NM_006923	SDF2	566	627	6.85645230789
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NM_020343	RALGAPA2		4622	4694	5.97225049116
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NM_003205	TCF12	4440	4470	4.86671579934	
NM_003205	TCF12	4022	4072	7.27278310339	
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NM_003205	TCF12	327	372	4.94683740855	
NM_003200	TCF3	2436	2497	5.60972879087	
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NM_014371	AKAP8L	1071	1114	4.09762383064
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NM_014377	DNAJC2	1319	1354	5.26958002364
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NM_000945	PPP3R1	73	183	5.08658165791
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NM_007262	PARK7	296	343	2.92253024602
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NM_007260	LYPLA2	1532	1618	8.67110657625
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NM_000941	POR	1832	1878	3.90736841139
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NM_139164	STARD4	310	367	5.9394464525
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NM_001142463	DKC1	661	708	4.74429433641
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NM_001142463	DKC1	733	773	4.15916481642
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NM_003943	STBD1	794	852	4.70854691432
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NM_003941	WASL	1795	1857	7.41967998502
NM_003941	WASL	4091	4197	5.8347174843
NM_003941	WASL	434	541	8.64207240636
NM_003941	WASL	564	625	5.83471724839
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NM_003940	USP13	424	484	6.21830157609
NM_003940	USP13	1991	2046	5.21429070697
NM_003940	USP13	599	643	5.21429070697

NM_003940	USP13	2389	2478	5.21830157609	
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NM_003945	ATP6V0E1		110	188	9.75713214803
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NM_003944	SELENBP1		293	366	8.76288229235
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NM_138689	PPP1R14B		888	975	5.09920709665
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NM_020675	SPC25	1045	1109	6.68985198735	
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NM_020675	SPC25	1124	1161	5.10488925071	
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NM_003804	RIPK1	3407	3462	7.09586872796	
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NM_024771	NAA40	909	936	8.03478956665	
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NM_024776	PEAK1	5108	5147	8.19839163164	

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NM_001080412	ZBTB38	4231	4295	8.48289940348
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NM_001080412	ZBTB38	866	936	8.48289939593
NM_001080412	ZBTB38	3355	3402	6.89793666684
NM_001080412	ZBTB38	4772	4844	7.89793690276
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NM_001080412	ZBTB38	4898	4961	6.89776315244
NM_001080412	ZBTB38	3681	3728	7.89793690254
NM_001080412	ZBTB38	6952	6996	7.8979301717
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NM_001080412	ZBTB38	2243	2315	6.89776315244
NM_001080412	ZBTB38	2367	2439	7.89793690276
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NM_001080412	ZBTB38	6207	6355	8.48289940348
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NM_024958	NRSN2	727	797	9.77773447287
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NM_024956	TMEM62	1186	1228	6.22782528673
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NM_024779	PIP4K2C	2011	2072	7.69127827259
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NM_024779	PIP4K2C	423	495	9.01320637503
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NM_024953	NAA25	452	521	7.16855684339
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NM_001080419	UNK	3255	3278	7.74861006843
NM_017548	CDV3	3317	3360	5.67537540813
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NM_017549	EPDR1	917	969	7.50450462246
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NM_001167935	CCM2	292	331	6.24474672321
NM_001167935	CCM2	494	530	6.24492023761
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NM_001167935	CCM2	756	803	7.74574376487
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NM_017542	POGK	1688	1721	7.25094072487
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NM_001135726	HMB0X1	2182	2237	5.91426494577
NM_017546	C2orf29	1147	1229	6.26114066167
NM_017546	C2orf29	810	869	5.67617792504
NM_017546	C2orf29	624	710	6.26114066168
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NM_017546	C2orf29	1753	1816	5.67617792504
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NM_138319	PCSK6	198	228	5.01189790295
NM_138319	PCSK6	3558	3625	4.92775869357
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NM_017544	NKRF	2425	2487	9.08659275639
NM_017544	NKRF	2337	2420	6.76850851136
NM_017544	NKRF	511	554	6.76466466151
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NM_032012	C9orf5	844	890	6.35003356639
NM_032012	C9orf5	1424	1486	8.35003380231
NM_032012	C9orf5	768	803	7.34986005199
NM_032012	C9orf5	296	375	7.67196189719
NM_032012	C9orf5	3114	3170	6.93482255271
NM_032012	C9orf5	2485	2545	7.67196166128
NM_032012	C9orf5	6276	6352	5.35002707126

NM_032012	C9orf5	2623	2716	7.6719618972
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NM_032012	C9orf5	3261	3307	5.34601620214
NM_032012	C9orf5	2113	2214	8.35003380231
NM_032012	C9orf5	2901	2993	5.34986005199
NM_032012	C9orf5	587	760	9.43749664356
NM_032012	C9orf5	1001	1241	8.80946542095
NM_032012	C9orf5	2271	2410	7.35003380231
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NM_032138	KBTBD7	785	840	8.85672133078
NM_032015	RNF26	848	921	8.16060515608
NM_032015	RNF26	2430	2498	8.16059842503
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NM_032015	RNF26	743	799	9.48253325097
NM_032015	RNF26	639	697	9.16060515608
NM_032015	RNF26	336	384	9.16060514853
NM_032015	RNF26	2606	2644	8.74539390648
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NM_032015	RNF26	1288	1350	8.74556092575
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NM_004683	RGN	1549	1583	4.22130991061
NM_005920	MEF2D	2158	2207	8.90117654781
NM_005920	MEF2D	5780	5820	7.23609243788
NM_005920	MEF2D	3943	3996	7.32005789695
NM_005920	MEF2D	434	498	7.31621404709
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NM_004687	MTMR4	3119	3193	5.33930831393
NM_004687	MTMR4	3462	3502	6.84013184119
NM_004687	MTMR4	3964	4020	5.33529094968
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NM_001001852	PIM3	2141	2208	6.78529495361
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NM_001001852	PIM3	1338	1402	6.78930582273
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NM_001668	ARNT	2688	2732	5.35924666237
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NM_030929	KAZALD1	803	851	9.93263488311
NM_001165031	DTYMK	987	1088	7.08337268868

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NM_001165031	DTYMK	429	495	6.34640709451
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NM_001165031	DTYMK	675	716	5.67730538441
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NM_001193513	SLC30A6	680	766	9.9837245579
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NM_001193513	SLC30A6	117	219	10.79107948
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NM_006133	DAGLA	549	616	11.0392015836
NM_006133	DAGLA	2582	2639	10.0391948525
NM_006133	DAGLA	186	290	10.0392015836
NM_006133	DAGLA	4964	5026	9.03920158355
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NM_006133	DAGLA	5065	5159	10.0392013476
NM_006135	CAPZA1	1244	1314	5.66491151878
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NM_006135	CAPZA1	1076	1114	3.25884421451
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NM_006135	CAPZA1	721	775	5.34298342389
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NM_006135	CAPZA1	480	688	6.80241504253
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NM_003417	ZNF264	7804	7830	8.73131814907
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NM_006136	CAPZA2	1335	1392	5.37915292466
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NM_006136	CAPZA2	764	936	6.83858477921
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NM_001127197	ELF4	434	516	10.6004480153
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NM_001667	ARL2	257	361	8.19939395281
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NM_001660	ARF4	802	889	3.6262451149
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NM_001127198	TMC6	1324	1439	7.85847719625
NM_001127198	TMC6	1852	1914	7.18937548615
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NM_001662	ARF5	540	591	3.72742394172
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NM_001662	ARF5	282	519	5.97535146272
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NM_198043	ZDHHC16	515	631	8.93615394211
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NM_001199111	MDH1	720	808	6.21305228822
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NM_001199111	MDH1	333	503	8.27194597727
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NM_005817	PLIN3	1071	1098	4.54226593653
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NM_005817	PLIN3	724	818	4.54243968684
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NM_005813	PRKD3	630	693	8.11105501086
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NM_005819	STX6	1618	1701	4.67788659621
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NM_139246	TSTD2	2994	3061	7.99821467433
NM_006354	TADA3	2050	2106	4.23810565197
NM_006354	TADA3	1825	1882	4.15396644259
NM_006354	TADA3	857	975	6.56003374686
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NM_006354	TADA3	1507	1587	6.23810564442
NM_139244	STXBP5	7	46	9.91831028335
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NM_006356	ATP5H	212	307	3.53460303148
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NM_139242	MTFMT	2005	2050	8.16237831826

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NM_139241	FGD4	7092	7135	8.0979215223	
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NM_006358	SLC25A17		373	450	8.39620011397
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NM_006358	SLC25A17		811	867	8.39218251402
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NM_032374	APOPT1	197	287	5.44598919594	
NM_032376	TMEM101	302	374	8.06265851665	
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NM_032377	ELOF1	205	286	8.84975326084	
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NM_032373	PCGF5	5868	5957	4.67948141539	
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NM_032373	PCGF5	350	410	4.26427689684	
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NM_001199787	SLC35E2	896	950	7.0242824233	
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NM_177947	ARMCX3	1508	1577	9.86183673716
NM_177947	ARMCX3	1137	1188	10.6691916592
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NM_014164	FXDY5	214	287	7.91859005492
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NM_014161	MRPL18	474	540	4.82519915742
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NM_001048249	C5orf43	413	480	4.37657558977
NM_001048249	C5orf43	1275	1325	3.37255798959
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NM_001048249	C5orf43	630	710	3.37656885871
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NM_018669	WDR4	1656	1710	7.73036778735
NM_018849	ABCB4	1489	1529	6.7112065122
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NM_018849	ABCB4	1633	1673	7.2961690127
NM_018849	ABCB4	736	777	5.62706730282
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NM_015566	FAM169A	5489	5528	3.1675102686
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NM_015565	LTN1	1121	1151	9.35295784265

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NM_015565	LTN1	677	745	8.68385636846	
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NM_018840	C2orf24		130	188	7.4312099788
NM_018840	C2orf24		69	120	5.84624074703
NM_018840	C2orf24		1047	1091	6.84624747808
NM_018840	C2orf24		268	559	11.1316496969
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NM_018840	C2orf24		856	1035	9.84624747808
NM_001040092	ENPP2	2240	2337	11.3810017394	
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NM_001142616	EHBP1	901	959	3.06455521835	
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NM_002455	MTX1	1501	1543	9.24528160934	
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NM_002453	MTIF2	1071	1141	4.66179334142	
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NM_002453	MTIF2	1180	1320	5.66196709174	
NM_002451	MTAP	1386	1446	6.64379265511	
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NM_033027	CSRNP1	1008	1059	8.86293504771	
NM_138300	PYG02	3052	3110	10.3532608296	
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NM_001226	CASP6	1185	1238	6.67414696397	
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NM_001227	CASP7	1323	1385	7.80337604328	
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NM_014780	CUL7	1702	1755	5.59475046705	
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NM_152713	STT3A	2539	2637	4.54107736848	
NM_152713	STT3A	2651	2823	5.86300546337	
NM_152713	STT3A	61	2528	12.5882012806	
NM_014784	ARHGEF11		5131	5172	7.43759635085
NM_014784	ARHGEF11		694	777	8.43777010117
NM_014784	ARHGEF11		3993	4061	7.35363089179
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NM_014784	ARHGEF11		4654	4750	7.43777010117
NM_014784	ARHGEF11		4918	4973	9.01871500172
NM_014784	ARHGEF11		1689	1808	9.02273260189
NM_022132	MCCC2	1202	1316	6.44488470556	
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NM_022130	GOLPH3	968	1063	5.14906761756	
NM_022130	GOLPH3	2341	2395	2.82713952267	
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NM_022130	GOLPH3	2499	2545	4.41210178748
NM_022130	GOLPH3	2556	2613	4.41192827308
NM_022130	GOLPH3	773	817	3.82696577236
NM_022130	GOLPH3	1948	2051	5.14906761756
NM_022130	GOLPH3	1855	1903	4.41210201585
NM_022130	GOLPH3	495	638	6.73403011828
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NM_022130	GOLPH3	1206	1296	5.14906761756
NM_022130	GOLPH3	648	700	3.82713928675
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NM_021116	ADCY1	1890	1996	12.5920257871
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NM_021116	ADCY1	4181	4236	13.3289913813
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NM_021116	ADCY1	6597	6667	11.0070565553
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NM_005108	XYLB	712	773	6.29821838923
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NM_001204183	NEK2	468	535	7.10310463543
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NM_012255	XRN2	998	1064	4.62489143222
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NM_001483	GBAS	1060	1131	4.88813882186
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NM_005788	PRMT3	1081	1127	5.87444391397
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NM_133462	TTC14	498	589	6.65530798522
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NM_006908	RAC1	1574	1674	6.02128652335
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NM_001137675	ATXN1L	4814	4871	8.13402253441
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NM_003887	ASAP2	1528	1653	6.79039649253
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NM_020247	ADCK3	1553	1608	5.84808358209
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NM_020246	SLC12A9	3164	3231	10.0415402047
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NM_020244	CHPT1	412	481	5.44637696507	
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NM_020791	TAOK1	3798	3835	6.83676778057	
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NM_004218	RAB11B	530	574	6.43578631959	
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NM_198549	FAM73A	1528	1576	8.17068071178
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NM_024894	NOL10	964	1035	5.30506689421
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NM_175841	SMOX	367	425	7.35340911908
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NM_017971	MRPL20	198	421	9.00995191744
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NM_182811	PLCG1	350	424	5.54174201571
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NM_182810	ATF4	425	492	3.69792477629
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NM_017974	ATG16L1	2248	2323	5.12149413471
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NM_024090	ELOVL6	421	474	7.26741489196
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NM_024091	FASTKD3	1734	1778	7.68249098812
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NM_001136258	SGMS2	1073	1122	11.1158107292
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NM_182983	HPN	1780	1814	5.00189282673
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NM_003086	SNAPC4	203	308	8.45195038745	
NM_003083	SNAPC2	587	686	7.45743583051	
NM_018241	TMEM184C		1119	1225	8.57502063122
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NM_002687	PNN	1256	1359	1.79281491474	
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NM_018242	SLC47A1	439	500	7.81970129404	
NM_018242	SLC47A1	2229	2291	6.23473879332	
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NM_002867	RAB3B	9736	9812	12.0496992764
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NM_024541	C10orf76		3062	3098 7.65588843923
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NM_080918	DGUOK	631	732	6.29869066014
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NM_207115	ZNF580	840	912	10.795482321
NM_014316	CARHSP1	1515	1555	3.99694701755
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NM_001100812	CXCL16	1294	1362	6.89919749042
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NM_001100812	CXCL16	376	421	4.81505828126
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NM_014315	KLHDC2	1646	1686	4.77127651434
NM_014315	KLHDC2	395	445	3.85540899267
NM_014315	KLHDC2	1381	1414	3.77127651434
NM_014315	KLHDC2	581	655	5.85541572372
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NM_005667	RNF103	931	974	6.4040045776
NM_005667	RNF103	1837	1885	5.81921581965
NM_005667	RNF103	1541	1613	5.8192158272
NM_005667	RNF103	1713	1831	7.98914082864
NM_005667	RNF103	2177	2235	5.81921559128
NM_005667	RNF103	1184	1241	5.81921582698
NM_005667	RNF103	1413	1442	4.81519822703
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NM_005667	RNF103	1053	1172	5.8192158272
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NM_005669	REEP5	994	1047	4.68662694614
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NM_005669	REEP5	1697	1754	4.69064431039
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NM_005669	REEP5	593	869	9.49799946837
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NM_005669	REEP5	357	405	5.69064431039
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NM_152379	C1orf131		960	1003 5.30760803143
NM_023018	NADK	3055	3147	5.95723795305
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NM_023018	NADK	2415	2547	8.27916604794
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NM_023018	NADK	2681	2761	7.54220045377
NM_023018	NADK	1446	1487	6.87309874367
NM_023018	NADK	2208	2352	8.76459287511
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NM_023018	NADK	185	341	8.54220045377
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NM_023018	NADK	2820	2944	6.95723795305
NM_023018	NADK	734	905	9.41666957169
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NM_023015	INTS3	1004	1073	7.40480572304
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NM_023015	INTS3	327	363	5.81984322209
NM_023015	INTS3	2335	2399	5.81984322231
NM_023015	INTS3	1084	1129	5.81582562214
NM_023015	INTS3	1754	1802	5.73570401293
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NM_023015	INTS3	2557	2590	6.81582562214
NM_023015	INTS3	1813	1856	5.81983649126
NM_023015	INTS3	2696	2749	7.40480548712
NM_023015	INTS3	4095	4135	5.73570401293
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NM_023015	INTS3	667	753	7.40480572304
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NM_023011	UPF3A	1737	1781	5.02455660089
NM_023011	UPF3A	1826	1918	5.10869580272

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NM_001077619	UBXN2B	457	526	9.53157528742
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NM_014453	CHMP2A	482	609	5.99646638688
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NM_005708	GPC6	869	908	7.58447176084
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NM_005708	GPC6	3738	3795	7.58045439658
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NM_005708	GPC6	470	505	6.50033278737
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NM_005708	GPC6	2297	2411	9.58447199676
NM_005708	GPC6	2080	2126	6.58429824644
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NM_005708	GPC6	597	755	9.7543969982
NM_005708	GPC6	1363	1503	9.39182691881
NM_005708	GPC6	1513	1622	9.39182691881
NM_005708	GPC6	1918	2053	9.58447199676
NM_005708	GPC6	758	837	9.16943449748
NM_005708	GPC6	2448	2576	7.58447199676
NM_005708	GPC6	923	1337	12.1390608484
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NM_001204513	RBAK-LOC389458	167	245	7.60332186147
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NM_152522	ARL6IP6	2261	2314	5.01412236786
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NM_001204510	EIF4A1	1596	1667	3.06271960885
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NM_032039	ITFG3	1475	1538	8.58637704654
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NM_032039	ITFG3	690	774	10.7563020555
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NM_032039	ITFG3	1581	1693	10.1713395548
NM_032039	ITFG3	2819	2936	10.5863770541
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NM_032039	ITFG3	2163	2240	8.58637032304

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NM_030938	VMP1	2035	2146	6.91032406483
NM_030938	VMP1	236	365	7.23225215971
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NM_000543	SMPD1	2284	2312	9.98456666111
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NM_000543	SMPD1	1041	1102	9.98841051097
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NM_000543	SMPD1	1291	1416	13.4480158799
NM_000543	SMPD1	309	367	11.573546762
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NM_133474	ZNF721	327	385	7.13977095903
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NM_002754	MAPK13	1060	1119	5.18035921027
NM_002754	MAPK13	1708	1788	7.50228730516
NM_002754	MAPK13	333	369	4.18035247922
NM_002754	MAPK13	559	639	5.76532171099
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NM_001099771	POTEF	3636	3671	10.3780683599
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NM_001099771	POTEF	3211	3252	7.97200106319
NM_001099771	POTEF	3740	3805	10.6411027733
NM_001099771	POTEF	3528	3588	10.3780683675
NM_001099771	POTEF	3112	3154	9.05614027256
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NM_002756	MAP2K3	1435	1475	4.66653445792
NM_002756	MAP2K3	976	1040	5.67054532704
NM_002756	MAP2K3	1675	1766	6.2555145588
NM_002756	MAP2K3	112	216	6.67055205809

NM_002756	MAP2K3	597	687	6.25551455881
NM_002756	MAP2K3	870	938	4.67055182217
NM_002756	MAP2K3	397	507	6.99248015298
NM_016039	C14orf166		283	373 3.43784402766
NM_016039	C14orf166		130	198 5.75977212255
NM_016039	C14orf166		469	549 6.24519894972
NM_016039	C14orf166		837	911 4.43784402744
NM_016039	C14orf166		655	780 6.02280652838
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NM_016038	SBDS	944	1037	5.35547416411
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NM_016038	SBDS	745	889	4.50747725755
NM_016034	MRPS2	788	841	8.07808469166
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NM_016037	UTP11L	1798	1828	4.07214741541
NM_016037	UTP11L	307	395	3.07616500803
NM_016037	UTP11L	1617	1706	3.07616501558
NM_016030	TTC15	319	355	6.34026929768
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NM_016030	TTC15	1518	1574	6.34026929768
NM_016032	ZDHHC9	804	871	7.16625180763
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NM_016032	ZDHHC9	283	412	9.28172902505
NM_016032	ZDHHC9	550	715	8.75121430835
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NM_015049	TRAK2	867	939	6.44183369717
NM_015048	SETD1B	6112	6173	9.54679602436
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NM_019590	KIAA1217		2596	2654 6.6174274487
NM_182739	NDUFB6	397	460	5.44098107522
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NM_182739	NDUFB6	179	233	3.85601833858
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NM_015040	PIKFYVE	9113	9198	6.44935219477

NM_015040	PIKFYVE	1464	1601	9.03432142654
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NM_015043	TBC1D9B	469	522	6.2332021239
NM_015043	TBC1D9B	2951	3004	6.81816486031
NM_015043	TBC1D9B	3605	3688	6.81816486054
NM_015043	TBC1D9B	685	726	5.14906315043
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NM_015043	TBC1D9B	2077	2127	6.14906315043
NM_015043	TBC1D9B	30	66	5.22918475964
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NM_015043	TBC1D9B	4197	4262	7.5551304547
NM_015043	TBC1D9B	4377	4425	5.23319562876
NM_015043	TBC1D9B	2212	2277	5.2330286095
NM_015043	TBC1D9B	3562	3605	5.22918475964
NM_015043	TBC1D9B	3865	3921	5.2330286095
NM_015043	TBC1D9B	236	325	7.5551304547
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NM_015042	ZNF609	6312	6368	7.54882880921
NM_015042	ZNF609	4991	5036	6.46469633088
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NM_015045	WAPAL	2648	2734	5.10626769053
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NM_015045	WAPAL	788	839	4.02212848869
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NM_015044	GGA2	610	672	7.62044655245
NM_015044	GGA2	1774	1850	5.62044631653
NM_015044	GGA2	288	367	6.62044655223
NM_015044	GGA2	4875	4976	5.6204465449
NM_015044	GGA2	1553	1599	6.53630734307
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NM_015044	GGA2	877	966	6.62044655245	
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NM_015044	GGA2	2508	2605	7.20540905317	
NM_015044	GGA2	1506	1548	5.53630734307	
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NM_015044	GGA2	2985	3051	5.62027280214	
NM_015044	GGA2	2709	2779	5.62044655245	
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NM_015044	GGA2	2269	2368	8.42780147451	
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NM_015044	GGA2	1123	1275	8.42780147451	
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NM_015047	KIAA0090		1592	1668	7.39900880474
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NM_015047	KIAA0090		3226	3270	6.31486959536
NM_015047	KIAA0090		898	1022	7.98397130546
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NM_015047	KIAA0090		3383	3460	8.13597439891
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NM_015047	KIAA0090		2301	2373	6.39900879719
NM_015047	KIAA0090		584	876	9.13597439891
NM_015047	KIAA0090		1175	1394	8.51448602216
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NM_015047	KIAA0090		3612	3679	6.39900856882
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NM_015046	SETX	904	966	6.96379410157	
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NM_015046	SETX	114	175	7.54876333334	
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NM_015046	SETX	7671	7745	5.96379410157
NM_015046	SETX	674	732	6.95978323245
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NM_000018	ACADVL	1211	1246	3.44619337844
NM_000018	ACADVL	753	806	5.03115587916
NM_000018	ACADVL	1168	1209	3.44601986404
NM_000018	ACADVL	1107	1157	3.36205440498
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NM_001080432	FTO	1212	1317	7.80342135382	
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NM_173654	C3orf64	1718	1809	10.9553350281	
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XM_003118719	LOC100507607		123	190	8.19474928278
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NM_001145293	NGLY1	994	1041	3.46667119639	
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NM_001201326	PDZK1	1040	1138	5.45044557709	
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NM_198935	SS18L1	4265	4346	7.16760086692
NM_198686	RAB15	235	285	7.93118935651
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NM_198686	RAB15	2115	2184	8.93118935652
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NM_001105568	KIF13A	190	252	8.01548550703
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NM_003942	RPS6KA4	712	758	8.1707357914
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NM_006117	ECI2	283	326	3.85391775197
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NM_003439	ZKSCAN1	3665	3722	5.30266263291
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NM_006118	HAX1	661	741	7.32770230149
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NM_006373	VAT1	64	112	6.64818389486
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NM_006372	SYNCRIP	1466	1551	4.18066232649
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NM_006372	SYNCRIP	354	421	4.18048857617
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NM_006371	CRTAP	601	674	6.16215884533
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NM_006377	UNC13B	6137	6216	6.22775712619
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NM_006374	STK25	2105	2152	4.01632521769
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NM_018346	RSAD1	548	602	7.34710823083
NM_152740	HIBADH	294	375	6.67986226936
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NM_014802	KIAA0528		2473	2523 6.6916542339
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NM_078483	SLC36A1	1516	1579	10.4949319876
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NM_020673	RAB22A	6974	7036	6.29042668709
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NM_177925	H2AFJ	88	129	7.29816116894
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NM_014142	NUDT5	611	668	5.45350279675
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NM_005871	SMNDC1	193	243	4.74434995026
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NM_005870	SAP18	242	311	3.76338147031
NM_005870	SAP18	143	189	1.44127963265
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NM_005870	SAP18	401	467	3.76338147786
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NM_005872	BCAS2	195	244	2.30622370837
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NM_015544	TMEM98	402	495	6.83051296486
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NM_018641	CHST12	237	293	8.55694446294
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NM_015230	ARAP2	6261	6310	13.0987367283
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NM_015542	UPF2	1477	1518	5.31444816416
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NM_015235	CSTF2T	572	629	10.1673153217
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NM_015235	CSTF2T	120	227	9.84538722685
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NM_018648	NOP10	35	415	9.82182126664
NM_018649	H2AFY2	546	653	7.61259675695
NM_018649	H2AFY2	884	952	7.6125900259
NM_018649	H2AFY2	419	477	6.61259675673
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NM_018318	CCDC91	147	235	4.77193232337
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NM_005128	DOPEY2	6478	6566	8.77533058272
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NM_005124	NUP153	4796	4868	8.1332310025
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NM_004458	ACSL4	3701	3747	3.4683030724
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NM_004459	BPTF	1368	1411	6.50096771865
NM_004459	BPTF	6370	6413	6.0857632001
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NM_004451	ESRRA	439	482	8.73992510126
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NM_004456	EZH2	2050	2168	7.35077059747
NM_004456	EZH2	1701	1764	6.93573309819
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NM_004456	EZH2	2183	2245	7.67269869236
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NM_144982	ZFC3H1	6894	6957	7.23330697017
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NM_017994	C7orf42	2644	2710	9.02904885965
NM_017994	C7orf42	3984	4029	8.02904213614
NM_017994	C7orf42	3755	3808	8.02904863128
NM_017994	C7orf42	4117	4177	6.44391261616
NM_017994	C7orf42	1964	2006	7.94490965781
NM_017994	C7orf42	1081	1139	7.44391261616
NM_017994	C7orf42	3239	3297	6.44408613055
NM_017994	C7orf42	1153	1204	7.44408635892
NM_017994	C7orf42	2232	2277	7.44407963542
NM_017994	C7orf42	2483	2522	6.35994715709
NM_017994	C7orf42	1831	1873	6.44408636625
NM_017994	C7orf42	2741	2793	7.44407963542
NM_017994	C7orf42	557	722	9.90351798511
NM_017994	C7orf42	1211	1326	9.61401136792
NM_017994	C7orf42	834	956	8.44408636647
NM_017994	C7orf42	1329	1531	10.2514412885
NM_017994	C7orf42	974	1057	8.76601446136
NM_017994	C7orf42	729	827	9.25144128853
NM_017994	C7orf42	3820	3983	9.02904886719
NM_017994	C7orf42	1531	1654	10.0290488672
NM_017994	C7orf42	258	556	11.0290488672
NM_017994	C7orf42	2864	2986	8.02904886719
NM_017999	RNF31	1506	1525	7.03541633242
NM_017999	RNF31	2372	2441	7.62037883314
NM_017999	RNF31	3017	3093	6.11955554158
NM_001167990	PQBP1	667	700	3.3699961906
NM_001167990	PQBP1	190	230	3.45011779981
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NM_138720	HIST1H2BD		22	277 10.5635425326
NM_203372	ACSL3	21	65	2.51650426757
NM_203372	ACSL3	168	408	5.45527747323
NM_203372	ACSL3	941	1084	4.39114713581
NM_203372	ACSL3	451	701	6.17964303061
NM_203372	ACSL3	3527	3564	1.93154176685
NM_203372	ACSL3	2448	2671	5.10164051861
NM_203372	ACSL3	3217	3302	2.93171550962
NM_203372	ACSL3	2673	2784	4.73907043923
NM_203372	ACSL3	1933	2444	6.76460553133
NM_203372	ACSL3	78	147	2.51667801789

NM_203372	ACSL3	1447	1922	7.25364361206
NM_203372	ACSL3	710	899	4.93171551717
NM_203372	ACSL3	1166	1447	6.21711773603
NM_203372	ACSL3	2812	3053	2.93171551717
NM_001184979	NDUFS5	415	506	2.90814491343
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NM_002111	HTT	12907	12943	8.26314909485
NM_002111	HTT	6928	6968	6.68219746324
NM_002111	HTT	13429	13510	6.67818659413
NM_002111	HTT	6350	6391	6.67818659413
NM_002111	HTT	3005	3055	7.6822041943
NM_002111	HTT	7672	7721	6.67818659413
NM_002111	HTT	944	1012	7.68219746324
NM_002111	HTT	9554	9628	8.6822041943
NM_002111	HTT	6189	6221	7.59806498491
NM_002111	HTT	6032	6065	7.67818659413
NM_002111	HTT	2252	2311	8.2669929447
NM_002111	HTT	7063	7107	8.26314909485
NM_002111	HTT	6680	6740	6.68203044398
NM_002111	HTT	3593	3661	6.59806498491
NM_002111	HTT	5585	5626	6.59806498491
NM_002111	HTT	8740	8803	6.59806498491
NM_002111	HTT	9013	9086	6.67818659413
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NM_002111	HTT	2752	2835	8.68220419429
NM_002111	HTT	2540	2609	6.6822041943
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NM_002111	HTT	13103	13159	6.68219746324
NM_002111	HTT	1470	1517	6.59806498491
NM_002111	HTT	8809	8886	8.26716669502
NM_002111	HTT	3433	3485	6.59806498491
NM_002111	HTT	12142	12187	8.26314909485
NM_002111	HTT	4103	4270	9.00413228919
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NM_002111	HTT	9270	9330	6.68220395838
NM_002111	HTT	2040	2143	7.68203044398
NM_002111	HTT	5306	5438	9.00413228919
NM_002111	HTT	7861	7944	6.68219746324
NM_002111	HTT	6414	6519	7.6822041943
NM_002111	HTT	673	772	8.26716669502
NM_002111	HTT	1069	1278	8.26716669502
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NM_002111	HTT	8388	8459	7.68219746324
NM_002111	HTT	4807	4893	6.68220419429
NM_002111	HTT	1663	1754	8.26716669501
NM_001242778	IKBKB	2843	2913	6.0498096829
NM_002117	HLA-C	613	676	4.40460831511
NM_002117	HLA-C	199	253	3.4044345648

NM_002117	HLA-C	1054	1397	6.72653641
NM_002117	HLA-C	467	543	4.98957081584
NM_002117	HLA-C	300	458	4.98957081584
NM_002117	HLA-C	721	835	4.40460831511
NM_002116	HLA-A	998	1106	6.58851522654
NM_002116	HLA-A	1334	1510	7.87802184374
NM_002116	HLA-A	493	578	5.4185902251
NM_002116	HLA-A	1113	1321	8.22594514716
NM_002116	HLA-A	641	710	4.4185902251
NM_002116	HLA-A	733	933	6.00355272582
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NM_001184971	PACSIN2	1742	1801	4.36514800098
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NM_001184971	PACSIN2	75	153	5.9501105017
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NM_001184971	PACSIN2	458	516	4.36514126992
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NM_001199839	BCL2L2	253	296	6.07336936568
NM_001199839	BCL2L2	483	516	7.06952551583
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NM_001199839	BCL2L2	1669	1704	7.06952551583
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NM_014718	CLSTN3	1025	1071	6.10765688575
NM_014718	CLSTN3	259	351	7.69261938648
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NM_014718	CLSTN3	2761	2820	4.51867678487
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NM_014718	CLSTN3	2623	2715	6.10765688554
NM_014718	CLSTN3	1725	1792	5.52269414912
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NM_014321	ORC6	204	241	6.06681711873
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NM_006585	CCT8	1944	1985	3.40786906046
NM_006585	CCT8	1128	1228	5.5777940619
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NM_006585	CCT8	1062	1121	3.72979715535
NM_006585	CCT8	322	475	4.8673006791
NM_006585	CCT8	1322	1934	7.49533190171
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NM_006585	CCT8	484	764	5.99283156118
NM_006586	CNPY3	1643	1713	2.79394079
NM_006586	CNPY3	1255	1321	4.37890329072
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NM_001099402	CCNK	187	253	7.13921034634
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NM_006588	SULT1C4	317	367	6.46370139671
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NM_002804	PSMC3	1115	1158	5.7538770354
NM_002804	PSMC3	60	99	5.16489717042
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NM_002804	PSMC3	1058	1113	4.1689147706
NM_002804	PSMC3	683	796	5.75387727132
NM_002804	PSMC3	390	621	7.97626969266
NM_002804	PSMC3	186	292	6.49084286549
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NM_002807	PSMD1	239	300	6.9867161544
NM_002807	PSMD1	2744	2809	5.40175341776
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NM_002807	PSMD1	2425	2503	6.72368174857
NM_002807	PSMD1	2332	2378	4.3176144443
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NM_002807	PSMD1	2381	2424	5.98671614685
NM_002807	PSMD1	1957	2032	6.40175365368
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NM_002807	PSMD1	362	466	6.9867161544
NM_002807	PSMD1	1709	1955	8.79407107646
NM_002807	PSMD1	730	895	7.57167865512
NM_002807	PSMD1	1161	1307	7.40175365368
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NM_002807	PSMD1	2105	2226	7.40175365368
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NM_002806	PSMC6	1103	1165	4.78493012319
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NM_002806	PSMC6	1174	1262	4.46300202831
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NM_002806	PSMC6	721	860	5.27035695036
NM_002806	PSMC6	909	995	3.4630020283
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NM_002803	PSMC2	683	762	6.49847479484
NM_002803	PSMC2	334	431	6.69111987278
NM_002803	PSMC2	845	1268	9.4724795863
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NM_002803	PSMC2	762	838	3.69111986523
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NM_002802	PSMC1	45	105	4.4070992668
NM_002802	PSMC1	1038	1086	5.41111686697
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NM_002802	PSMC1	905	1026	6.73304496186
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NM_002802	PSMC1	226	515	7.65904438042
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NM_002802	PSMC1	109	180	4.4070992668
NM_002809	PSMD3	2069	2160	6.72199825809
NM_002809	PSMD3	526	642	7.94439067943
NM_002809	PSMD3	1158	1248	4.55207325665
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NM_002809	PSMD3	1256	1487	7.87400135154
NM_002809	PSMD3	1581	1809	7.13703575737
NM_002809	PSMD3	355	513	5.87400135154
NM_002808	PSMD2	1703	1772	7.12453959906
NM_002808	PSMD2	2955	3018	5.90214717772
NM_002808	PSMD2	413	574	7.90214717772
NM_002808	PSMD2	2112	2156	5.31701092668
NM_002808	PSMD2	2847	2941	7.317184677
NM_002808	PSMD2	1290	1684	9.84074663306

NM_002808	PSMD2	590	733	7.48710967844
NM_002808	PSMD2	227	410	7.317184677
NM_002808	PSMD2	1226	1286	6.63911277189
NM_002808	PSMD2	2337	2508	7.12453959906
NM_002808	PSMD2	2159	2329	7.90214717772
NM_002808	PSMD2	791	1209	9.07207217917
NM_002808	PSMD2	2513	2724	8.70950209978
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NM_001751	CARS	1536	1577	4.43267069039
NM_001751	CARS	208	254	6.01780021037
NM_001751	CARS	806	855	6.01763319111
NM_001751	CARS	340	405	6.01780021037
NM_001751	CARS	1958	2014	4.43267069039
NM_001751	CARS	1136	1194	5.34870523132
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NM_145903	HMGA1	1044	1131	8.16900290302
NM_145903	HMGA1	85	148	6.68357607585
NM_145903	HMGA1	838	921	7.36164798097
NM_145903	HMGA1	509	564	5.94661048146
NM_145903	HMGA1	1534	1580	6.94661048169
NM_145903	HMGA1	1736	1807	6.36164798097
NM_145903	HMGA1	1583	1634	5.36164124991
NM_145903	HMGA1	747	813	5.36164798074
NM_145903	HMGA1	1401	1532	8.94661048169
NM_145903	HMGA1	189	297	6.68357607585
NM_145903	HMGA1	1159	1311	6.68357607585
NM_001042588	SNUPN	149	216	6.14175139228
NM_006134	TMEM50B	586	634	8.21084096401
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NM_014550	CARD10	3361	3418	5.53281662279
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NM_001933	DLST	2602	2668	3.36511460285
NM_001933	DLST	1787	1846	5.36512132636
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NM_001933	DLST	2113	2157	3.28098212452
NM_001933	DLST	416	481	5.36512133391
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NM_147156	SGMS1	1597	1650	7.22412480868
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NM_147156	SGMS1	755	824	6.63916230796
NM_147156	SGMS1	2533	2611	7.14400319947
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NM_005466	MED6	766	841	6.48223646169
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NM_147152	ITSN2	890	951	7.18716733242
NM_147152	ITSN2	462	511	7.18314973226
NM_147152	ITSN2	1071	1134	5.60203108139
NM_147152	ITSN2	2873	2922	7.18314973226
NM_147152	ITSN2	3222	3277	6.51806562232
NM_147152	ITSN2	2579	2681	6.59818723153
NM_178454	DRAM2	1322	1424	5.84966978758
NM_178454	DRAM2	788	890	7.07607980909
NM_178454	DRAM2	1013	1064	5.26872487948
NM_178454	DRAM2	904	944	4.26871815598
NM_178454	DRAM2	185	257	5.26872488703
NM_178454	DRAM2	1122	1200	6.26872488703
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NM_201999	ELF2	1693	1751	4.85769627785
NM_178450	MARCH3	459	495	10.5882155623
NM_014089	NUPL1	4049	4103	6.17210788202
NM_014089	NUPL1	507	552	6.17211461285
NM_014089	NUPL1	559	605	5.17210788202
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NM_014089	NUPL1	1828	1904	6.17194086276
NM_003601	SMARCA5	3103	3156	3.61850730308
NM_003601	SMARCA5	988	1052	3.61850753899
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NM_003601	SMARCA5	2360	2399	2.61833378868
NM_003601	SMARCA5	4042	4084	4.11933083033
NM_003601	SMARCA5	1841	1875	2.61448993882
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NM_003601	SMARCA5	3867	3927	4.94043539796
NM_003601	SMARCA5	2158	2340	6.31894725714
NM_003601	SMARCA5	1731	1839	5.20347003972
NM_003601	SMARCA5	1980	2025	4.61833378868
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NM_003601	SMARCA5	1611	1672	3.61448993882
NM_003601	SMARCA5	2030	2108	4.2034698038
NM_003601	SMARCA5	1360	1569	6.07793915763
NM_003601	SMARCA5	2413	2659	4.20347003972
NM_003601	SMARCA5	1183	1282	3.61850753899
NM_003601	SMARCA5	3203	3428	6.07793915763
NM_003601	SMARCA5	723	841	4.61850753899
NM_003609	HIRIP3	245	270	6.98605555317
NM_003609	HIRIP3	1966	2102	6.98588180285
NM_018410	HJURP	223	319	8.83001542352
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NM_018410	HJURP	541	603	8.2450596463
NM_018410	HJURP	2313	2426	10.4149846553
NM_018410	HJURP	2580	2646	7.24505965385

NM_013323	SNX11	677	739	9.9585763923
NM_013323	SNX11	874	952	8.95456552318
NM_013323	SNX11	566	620	8.87444391397
NM_180991	SLC04C1	2466	2536	11.0168066208
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NM_180991	SLC04C1	932	1066	13.0168133518
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NM_180991	SLC04C1	1066	1152	10.0168133518
NM_180991	SLC04C1	351	410	10.0168133518
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NM_001100389	TMEM192	736	804	6.24769642128
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NM_014338	PISD	725	818	10.4059839142
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NM_014335	EID1	1535	1575	8.91565841437
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NM_014337	PPIL2	517	566	6.81496310306
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NM_005603	ATP8B1	3928	3975	10.4308787969
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NM_032237	SGK196	401	495	10.8175862916
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NM_032236	USP48	3127	3206	4.38727827252
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NM_032587	CARD6	3367	3418	10.7978013941
NM_152729	NT5DC1	113	171	4.49936158534
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NM_032582	USP32	3068	3124	5.47097846609
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NM_032581	FAM126A	849	909	6.69388522556
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NM_023075	MPPE1	1606	1657	8.87976892379
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NM_023073	C5orf42	8245	8282	8.44170782034
NM_023079	UBE2Z	1270	1313	3.77001543203
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NM_004720	LPAR2	990	1045	12.4066570866
NM_001017974	P4HA2	1003	1047	3.98713649846
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NM_004724	ZW10	1925	1961	6.50035811501
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NM_152892	LRWD1	289	345	10.0246720779
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NM_152896	UHRF2	3113	3174	5.29787444211
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NM_152546	SRFBP1	673	788	8.11975571375
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NM_152544	METTTL19	2341	2409	8.05714193799
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NM_015680	CNPPD1	1012	1044	6.87151797242
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NM_015680	CNPPD1	257	309	6.87553557259
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NM_001127716	ETFA	123	184	5.13998972107
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NM_001144062	COPB1	1986	2064	7.69294571089
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NM_003099	SNX1	1980	2020	6.28904048658
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NM_212543	B4GALT4	1048	1099	7.56003373931
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NM_001199119	TRIM39-RPP21		1223	1277 9.48794747177
NM_016013	NDUFAF1	1283	1321	8.10287652891
NM_001098800	MAGED4	2296	2343	4.48327402768
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NM_016016	SLC25A39		128	182	6.80972843934
NM_016016	SLC25A39		1430	1566	8.39469117598
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NM_001098808	C9orf129		663	702	5.51979595877
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NM_015062	PPRC1	2777	2822	6.61438030921	
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NM_015061	KDM4C	4328	4433	7.88120352633	
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NM_015060	AVL9	2173	2252	7.63029334182	
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NM_001130081	PLD1	3633	3699	5.25065532235	
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NM_001130089	KARS	1080	1248	7.23580164024
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NM_001018109	PIR	549	616	8.06143153094
NM_001018109	PIR	1282	1334	7.47646902267
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NM_012482	ZNF281	3726	3770	6.25954644357
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NM_001071775	MZT1	265	401	6.75886555226
NM_005685	GTF2IRD1		480	560 9.62671165825
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NM_178176	MOGAT3	335	440	8.61015722606
NM_178176	MOGAT3	874	915	7.60613962611
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NM_030579	CYB5B	2263	2337	5.38680251864
NM_030579	CYB5B	187	245	4.80184001769
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NM_030579	CYB5B	958	1039	4.80184001792
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NM_152924	ABHD2	810	938	9.68217934376
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NM_058243	BRD4	4475	4526	6.24827395805
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NM_006832	FERMT2	1500	1566	6.30444911954
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NM_021639	GPBP1L1	2352	2398	3.17591481806
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NM_001114118	C17orf85		2049	2128 5.94087143684
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NM_007362	NCBP2	815	847	2.74577494046
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NM_003453	ZMYM2	4002	4037	6.05699012562
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NM_153713	LIX1L	579	634	9.91509534967
NM_153713	LIX1L	2756	2816	8.33013308486
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NM_153717	EVC	1704	1751	7.92246704897
NM_153719	NUP62	3038	3117	7.2558803537
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NM_153719	NUP62	3278	3405	8.47827277504
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NM_004897	MINPP1	2177	2223	8.28619235016
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NM_004897	MINPP1	432	677	10.1341894926
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NM_004897	MINPP1	846	1250	11.4561175875
NM_004897	MINPP1	2229	2414	9.96426449119
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NM_004546	NDUFB2	244	306	8.38904160093
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NM_001199155	KAT7	2211	2280	7.04943448691
NM_001199155	KAT7	545	660	7.46447198618
NM_001199155	KAT7	2075	2205	5.46447198596
NM_001080450	BEND3	711	776	11.6797729836
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NM_001080452	GPR108	1194	1330	9.30544357584
NM_001080452	GPR108	403	478	8.45744666928
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NM_001080453	INTS1	5407	5457	7.04125167086
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NM_001080453	INTS1	410	441	8.04107815646
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NM_006391	IP07	219	311	5.3245386951
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NM_006390	IP08	1414	1462	5.35595710441
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NM_006390	IP08	1031	1106	7.67789193035
NM_006390	IP08	4034	4108	6.93690873601
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NM_139280	ORMDL3	479	508	3.19082810361
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NM_006392	NOP56	767	993	6.02309735473
NM_006392	NOP56	1891	1963	3.32248388627
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NM_006395	ATG7	160	240	9.66318629428
NM_006395	ATG7	1912	1977	8.07821707006
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NM_006397	RNASEH2A		918	971 5.4330284026
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NM_006397	RNASEH2A		455	552 6.43704600277
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NM_006398	UBD	474	518	6.87202693394
NM_006398	UBD	752	815	7.3712036426
NM_006398	UBD	923	988	6.37120363505
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NM_006398	UBD	531	710	9.45866648385
NM_020119	ZC3HAV1	737	798	7.77568696618
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NM_020119	ZC3HAV1	465	519	7.18671359634
NM_020119	ZC3HAV1	2746	2798	7.1905574462
NM_020119	ZC3HAV1	3667	3717	7.18671359634
NM_020119	ZC3HAV1	2656	2702	6.1905574462
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NM_024665	TBL1XR1	6139	6218	7.47066674416
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NM_024664	PPCS	567	707	7.53646527572
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NM_024666	AAGAB	369	398	7.41902052474
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NM_005852	CHD3	3578	3636	7.88226752986
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NM_005852	CHD3	5247	5321	7.88226752985
NM_005852	CHD3	3373	3451	8.46723002303
NM_005851	CDK2AP2	997	1085	9.50053273511
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NM_005850	SF3B4	883	915	7.37831108878	
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NM_005858	AKAP8	1189	1284	7.20652493045	
NM_001130850	CAB39	338	397	5.98306924967	
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NM_001130850	CAB39	2406	2565	5.98306924989	
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NM_018622	PARL	722	781	8.10034882385	
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NM_002492	NDUFB5	643	685	4.37440025244	
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NM_002491	NDUFB3	662	720	5.52869578033	
NM_002491	NDUFB3	535	661	7.75108820166	
NM_002491	NDUFB3	279	388	4.9437332796	
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NM_002494	NDUFC1	437	514	3.09032553758	
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NM_002495	NDUFS4	503	545	3.1303441084	
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NM_031243	HNRNPA2B1		3535	3576	1.86930175535
NM_031243	HNRNPA2B1		2482	2586	2.19122985778
NM_031243	HNRNPA2B1		2275	2325	0.869301526979
NM_031243	HNRNPA2B1		2144	2184	-0.130704968156
NM_031243	HNRNPA2B1		63	252	4.45426426362
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NM_031243	HNRNPA2B1		256	1215	6.97782621968
NM_031243	HNRNPA2B1		2609	3141	4.19122985778
NM_031243	HNRNPA2B1		1217	1443	3.03922676434
NM_031243	HNRNPA2B1		3175	3358	3.19122985778
NM_031243	HNRNPA2B1		1445	1971	5.56974148104
NM_001136108	R3HCC1	890	952	7.09744593545	
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NM_152392	AHSA2	1977	2025	2.20563086787	
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NM_152392	AHSA2	939	1106	3.20563759892	
NM_152392	AHSA2	591	672	3.20563086787	
NM_152396	METTL6	914	978	7.13824793865	
NM_152396	METTL6	674	755	7.87522002795	
NM_015219	EXOC7	1803	1877	5.79004843497	
NM_015219	EXOC7	996	1047	5.37483718538	
NM_015219	EXOC7	2842	2908	5.37501093569	
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NM_015219	EXOC7	225	282	3.79004843497	
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NM_015219	EXOC7	292	368	4.79004170392	
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NM_018332	DDX19A	285	356	4.25623186337
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NM_018332	DDX19A	1094	1133	4.1722664043
NM_018332	DDX19A	671	818	3.25640561368
NM_015213	DENND5A	1287	1349	5.62593912671
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NM_015213	DENND5A	472	530	6.6259324032
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NM_015216	PPIP5K2	3668	3723	7.70935219823
NM_015216	PPIP5K2	583	667	8.12438969751
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NM_024050	DDA1	405	477	4.35616117758
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NM_002396	ME2	866	953	6.46362662436
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NM_002827	PTPN1	633	715	6.62031349505
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NM_017741	DCAF16	3960	3995	7.31159741902
NM_017741	DCAF16	2749	2820	7.31561501897
NM_017741	DCAF16	1829	1910	7.31561478328
NM_017741	DCAF16	3246	3351	8.3156150192
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NM_017742	ZCCHC2	2394	2431	5.76036577561
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NM_017742	ZCCHC2	1798	1875	8.0822938705
NM_001024957	BRMS1	269	343	7.37693335645
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NM_001024957	BRMS1	714	855	9.18428827873
NM_001024956	SC5DL	886	981	9.03013638438
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NM_001024956	SC5DL	6101	6168	5.0261187842
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NM_001024956	SC5DL	1061	1182	8.6150988851
NM_001024956	SC5DL	1623	1696	5.03013638415
NM_001024956	SC5DL	4065	4104	5.94599717499
NM_001024956	SC5DL	1208	1450	9.55369834043
NM_001024956	SC5DL	482	703	10.1175992256
NM_001024956	SC5DL	1479	1615	8.03013638438
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NM_017746	TEX10	1126	1182	7.89975271365
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NM_017747	ANKHD1	6416	6509	7.47707257598
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NM_017747	ANKHD1	1883	1952	7.06186132638
NM_017747	ANKHD1	6916	6954	5.3929333666
NM_017747	ANKHD1	1191	1271	7.47707256843
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NM_017747	ANKHD1	6770	6871	6.47707257576
NM_017747	ANKHD1	1380	1523	8.0620350767
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NM_017747	ANKHD1	5879	6029	6.47707257598
NM_001002877	THOC5	2258	2339	4.92877130309
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NM_001002877	THOC5	2079	2128	5.4336121946
NM_001002877	THOC5	1429	1512	4.93278890326
NM_001002877	THOC5	1672	1737	3.93278866734
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NM_001042631	SDHAF1	808	875	10.3168278092
NM_001025603	RFX5	3218	3279	10.4303497273
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NM_001025603	RFX5	2270	2343	9.43017597725
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NM_001114135	EPB49	354	407	5.36654825593
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NM_001135575	C6orf228		4171	4222 8.20388992909
NM_001135575	C6orf228		596	663 8.19987233646
NM_001135575	C6orf228		4534	4592 7.11975072725
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NM_016299	HSPA14	1559	1595	7.07127365415
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NM_001013660	FRRS1	1101	1157	5.9436960657
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NM_033023	PDGFA	838	887	10.3011556723
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NM_016297	PCY0X1	3312	3395	4.46181424152
NM_016297	PCY0X1	1491	1674	7.26916917113
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NM_016297	PCY0X1	314	582	8.6712676147
NM_016297	PCY0X1	4023	4091	3.46180751802
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NM_016292	TRAP1	1157	1201	4.6659014246
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NM_017528	WBSCR22	596	643	6.77348616535
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NM_017525	CDC42BPG		2409	12.3465678894	
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NM_017520	MPHOSPH8		2293	2377	5.59654825379
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NM_152416	C8orf38	324	385	7.23092077272	
NM_173165	NFATC3	2872	2947	7.08887705898	
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NM_173694	ATP11C	1438	1504	6.46038462268	
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NM_004371	COPA	1028	1127	6.36253745741	
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NM_004373	COX6A1	30	87	6.53180856439	
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XM_003118753	LOC100507656		2670	2753	12.0857325017
NM_001131007	KIAA0922		2357	2411	10.0289778546
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NM_001195518	MICU1	252	340	5.98434905973	
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NM_144563	RPIA	581	656	7.82646672161	
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NM_198391	FLRT3	222	294	11.3286807853	
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NM_000709	BCKDHA	298	365	8.07034837903
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NM_144564	SLC39A3	590	671	10.2283576754
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NM_000251	MSH2	2576	2636	4.66952849281
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NM_005163	AKT1	2252	2323	5.65487836315	
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NM_178126	FAM134C	3265	3317	9.42252349206	
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NM_001425	EMP3	349	403	9.33974162418
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NM_014047	C19orf53		158	244 3.18505245003
NM_014044	UNC50	577	631	5.07308644914
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NM_014045	LRP10	1353	1408	7.22803326961
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NM_014045	LRP10	950	1095	8.81299577033
NM_014045	LRP10	1416	1442	6.14389406023
NM_014045	LRP10	2567	2711	8.68746488825
NM_014045	LRP10	1205	1250	6.22802653856
NM_014045	LRP10	1970	2183	8.81299577033
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NM_014045	LRP10	484	662	7.5499613645
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NM_003132	SRM	920	1009	7.28329442574
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NM_003131	SRF	995	1039	6.28841948241
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NM_014992	DAAM1	4224	4281	8.1422125184
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NM_152769	C19orf26		406	479 12.5070358796
NM_032271	TRAF7	2393	2452	7.50896267986
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NM_005399	PRKAB2	760	810	9.04863197555
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NM_032273	TMEM126A		447	513 9.35520176583
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NM_032272	MAF1	998	1060	5.05632156666
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NM_002039	GAB1	4099	4148	9.1671333632
NM_145254	TMEM170A		313	394 12.1840814556
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NM_032385	C5orf4	248	305	8.58268409715
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NM_006663	PPP1R13L		103	189 10.6577466848
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NM_001098426	SMARCD2	1508	1587	6.70651983512
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NM_152586	USP54	3242	3296	7.45548672313
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NM_015395	TECPR1	1197	1242	10.729539524
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NM_015397	DCAF12	1160	1199	5.32216053665
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NM_015640	SERBP1	873	921	-0.113838349133
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NM_015640	SERBP1	439	565	2.47112438751
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NM_002513	NME3	546	596	9.28476904469
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NM_015026	MON2	4418	4466	7.75214515555
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NM_018017	C10orf118		3484	3547 5.79502749299
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NM_017896	C20orf11		3722	3789	4.01487225419
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NM_004359	CDC34	528	603	5.64449938053
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NM_016410	CHMP5	1095	1131	4.02304556923
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NM_001098210	CTNNB1	2888	2927	3.90957291198
NM_001098210	CTNNB1	1887	1937	2.8254337026
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NM_001098210	CTNNB1	3058	3152	4.90957291198
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NM_172236	POFUT1	168	283	10.5285864243
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NM_172236	POFUT1	284	336	6.00502423232
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NM_172236	POFUT1	117	167	6.00501773719
NM_000853	GSTT1	90	175	7.88679890694
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NM_032242	PLXNA1	5282	5357	8.49089258187
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NM_032242	PLXNA1	2647	2802	8.90593008115
NM_032242	PLXNA1	787	910	9.22785817604
NM_032242	PLXNA1	120	254	8.49089258187
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NM_000858	GUK1	591	669	5.84217048798
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NM_001193557	ENY2	220	281	1.77073621391	
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NM_005530	IDH3A	791	856	7.84048520578	
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NM_001202476	UBE2E1	366	439	7.78467277396	
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NM_145230	ATP6V0E2		1810	1884	11.1303494716
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NM_145230	ATP6V0E2		1958	2020	9.1301757213
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NM_003312	TST	52	108	5.69942854834	
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NM_002729	HHEX	1378	1432	4.93360598643	
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NM_002720	PPP4C	1050	1119	5.44775832023	
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NM_031463	HSDL1	93	207	6.01587271826
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NM_024627	C22orf29		627	706 11.1958254007
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NM_023933	FAM173A	835	872	7.43671176577
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NM_023934	FUNDC2	235	298	4.9012048012
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NM_023935	DDRGK1	19	91	6.01553858079
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NM_023937	MRPL34	594	671	9.10406598353
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NM_016261	TUBD1	309	359	7.50805103307
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NM_001077199	SREK1	5931	5966	3.82767537273
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NM_001077199	SREK1	3961	4018	4.82784912305
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NM_031206	LAS1L	968	1049	6.8996894343
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NM_031203	HNRNPM	1803	1891	4.77132288181
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NM_031209	QTRT1	812	875	8.36530534687
NM_024945	RMI1	716	772	8.44723550683
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NM_001024215	FBLIM1	1012	1060	12.0126360271
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NM_001193489	SECISBP2L		2023	2076	5.58734673961
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NM_020967	NCOA5	702	779	7.71489049497	
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NM_025141	TM2D3	458	530	6.93091819872	
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NM_001145255	IKBKG	399	469	6.14630233629	
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NM_001099670	C8orf59	528	562	5.87555764874	
NM_025140	CCDC92	1249	1403	6.79862729343	
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NM_003568	ANXA9	1357	1398	8.47494588134	
NM_003568	ANXA9	834	893	8.9757694086	
NM_003568	ANXA9	638	699	8.9757694086	
NM_003568	ANXA9	356	398	7.47477236694	
NM_003568	ANXA9	1527	1573	7.47092851709	
NM_003568	ANXA9	405	467	7.47493938621	
NM_003568	ANXA9	726	800	8.47494588134	
NM_001099678	LRR58	1713	1795	8.34078034262	
NM_001099678	LRR58	2232	2307	7.34061332335	
NM_001099678	LRR58	3915	3975	8.92574957439	
NM_001099678	LRR58	642	685	7.34078034262	
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NM_001099678	LRR58	2021	2072	9.34078034262	
NM_001099678	LRR58	7283	7339	8.3367694735	
NM_001099678	LRR58	3792	3828	7.25664786429	
NM_001099678	LRR58	1000	1072	9.66271516833	
NM_001099678	LRR58	528	625	9.34078707367	
NM_001099678	LRR58	6813	6898	8.92574957417	

NM_001099678	LRR58	827	928	8.34078707367	
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NM_001099679	TRIM32	977	1046	8.51039639219	
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NM_014700	RAB11FIP3		683	736	6.49401745792
NM_014700	RAB11FIP3		1065	1120	4.9090549572
NM_014700	RAB11FIP3		1288	1399	6.49419120823
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NM_014705	DOCK4	792	852	7.81545885098	
NM_014705	DOCK4	3825	3862	6.23049635026	
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NM_014705	DOCK4	158	218	7.81528533658	
NM_014705	DOCK4	1973	2042	6.23048985512	
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NM_014705	DOCK4	1110	1196	6.23048985512	
NM_014704	CEP104	632	674	6.36097030737	
NM_014704	CEP104	5832	5930	6.36498790754	
NM_014706	SART3	1640	1728	7.16571141451	
NM_014706	SART3	2807	2865	4.27421728307	
NM_014706	SART3	808	924	6.35835649245	
NM_014706	SART3	2498	2587	5.3583497614	
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NM_014706	SART3	1149	1240	5.3583497614	
NM_014706	SART3	512	616	5.94331899317	
NM_014706	SART3	1053	1146	4.3583564849	
NM_005981	TSPAN31	315	356	10.8192466254	
NM_005981	TSPAN31	410	445	8.49347468062	
NM_005981	TSPAN31	653	818	11.6674172822	
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NM_014708	KNTC1	2116	2169	8.3058249534	
NM_014708	KNTC1	3902	3955	7.71701860282	
NM_014708	KNTC1	4769	4802	6.63689699361	
NM_014708	KNTC1	5506	5559	6.72103596708	
NM_014708	KNTC1	6357	6404	6.63689699361	
NM_014708	KNTC1	3609	3716	8.30599870372	
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NM_000130	F5	1648	1794	5.9136606938
NM_021009	UBC	398	596	6.26600726506
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NM_021009	UBC	811	2511	9.48605574593
NM_152482	C19orf25		653	706 6.99137305825
NM_021003	PPM1A	2726	2746	4.99002842682
NM_021003	PPM1A	406	474	6.994046027
NM_021003	PPM1A	1495	1610	7.57900852772
NM_021003	PPM1A	725	846	5.994046027
NM_021003	PPM1A	61	101	4.99387227668
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NM_021007	SCN2A	955	999	13.19599242
NM_001205228	SORT1	5526	5602	6.29792266588
NM_001205228	SORT1	5345	5411	6.56095707172
NM_001205228	SORT1	2592	2666	5.56095707171
NM_001205228	SORT1	3901	3945	4.97582082068
NM_001205228	SORT1	3530	3613	5.975994571
NM_001205228	SORT1	3309	3368	4.97582082068
NM_001205228	SORT1	3636	3680	4.97599456345
NM_001205228	SORT1	3016	3076	4.97599457099

NM_001205228	SORT1	3085	3118	3.975994571
NM_001205228	SORT1	1719	1765	4.97598783994
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NM_001205228	SORT1	331	773	10.0634574122
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NM_001205228	SORT1	2480	2592	7.67643428914
NM_001205228	SORT1	2916	2984	5.56095707172
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NM_001205228	SORT1	1768	2467	10.2613967899
NM_001205228	SORT1	2678	2785	6.78334949306
NM_001205228	SORT1	5962	6098	6.56095707172
NM_021005	NR2F2	2577	2619	8.35883133501
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NM_021005	NR2F2	2848	2889	8.3590050851
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NM_021005	NR2F2	2190	2286	8.94396758604
NM_173552	C3orf58	1341	1432	10.1432107337
NM_173552	C3orf58	4268	4309	8.73714342942
NM_173552	C3orf58	1872	1922	7.81726503863
NM_173552	C3orf58	1441	1525	9.8212826388
NM_173552	C3orf58	1556	1670	9.8212826388
NM_173555	TYSND1	2496	2551	10.2883503312
NM_182551	LCLAT1	1326	1421	10.1334453849
NM_182551	LCLAT1	715	778	10.0493061755
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NM_182551	LCLAT1	1172	1290	11.7184078856
NM_182551	LCLAT1	567	707	11.940800307
NM_014239	EIF2B2	632	705	8.14362268076
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NM_014239	EIF2B2	1076	1147	8.55866691109
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NM_014239	EIF2B2	74	133	6.55866667518
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NM_001001975	ATP5D	618	701	6.31983004941
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NM_182556	SLC25A45		2159	2205	10.0512966706
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NM_001239	CCNH	1006	1062		3.83905426319
NM_006294	UQCRB	1340	1381		-0.892879874788
NM_006294	UQCRB	273	393		1.69610022611
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NM_006295	VARS	3436	3537		8.53272521256
NM_006295	VARS	3548	3607		8.11768771328
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NM_006295	VARS	1839	1891		8.53272521256
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NM_006295	VARS	741	777		5.44858600318
NM_006295	VARS	343	470		7.85465330745
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NM_006295	VARS	547	596		5.52870761239
NM_006295	VARS	3794	3841		7.11768771328
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NM_006295	VARS	1981	2301		10.4396158082
NM_006295	VARS	2323	2461		8.34008013462
NM_006295	VARS	2670	3006		9.85465330745
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NM_006295	VARS	1471	1687		8.702650214
NM_006295	VARS	3906	4028		8.34008013462
NM_006295	VARS	891	1082		8.702650214
NM_006297	XRCC1	1541	1585		5.53831832868
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NM_006297	XRCC1	278	390		7.62245753806
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NM_006290	TNFAIP3	3276	3338		6.53441329323
NM_006290	TNFAIP3	3704	3744		6.53039569306
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NM_006292	TSG101	1474	1528		5.25781202869
NM_006293	TYR03	1373	1458		8.98180608016
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NM_006293	TYR03	701	735		6.39684334352
NM_006293	TYR03	3807	3872		6.39683684839
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NM_153326	AKR1A1	1316	1398	4.99262566747	
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NM_006123	IDS	325	370	9.1194009406	
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NM_004830	MED23	3837	3877	6.58118897837	
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NM_153329	ALDH16A1		1784	1837	8.45157202457
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NM_003400	XP01	3211	3329	6.50775111357	
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NM_003400	XP01	4641	4795	5.42028827232
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NM_003400	XP01	2351	2500	6.59021327376
NM_004834	MAP4K4	2892	2943	3.98757056075
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NM_004834	MAP4K4	653	712	4.40260806025
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NM_004834	MAP4K4	3992	4048	2.39859046008
NM_004834	MAP4K4	835	931	5.20996298231
NM_004834	MAP4K4	3583	3663	2.40260806025
NM_004834	MAP4K4	302	344	3.31846885087
NM_004834	MAP4K4	7082	7128	2.40260782433
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NM_004834	MAP4K4	3012	3093	4.72453615514
NM_004834	MAP4K4	398	535	5.98757056097
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NM_004834	MAP4K4	3155	3287	5.98757056097
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NM_001164382	STAU2	483	540	6.04252604844
NM_001197218	PDE4D	1650	1704	9.05634961865
NM_005406	ROCK1	2985	3071	4.4450242786
NM_005406	ROCK1	2081	2129	3.36490266939
NM_005406	ROCK1	4539	4614	5.77096997366
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NM_005406	ROCK1	630	744	5.02998677932
NM_005406	ROCK1	1952	2021	4.44886812846

NM_005406	ROCK1	933	1067	4.44904187877
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NM_005407	SALL2	3209	3260	8.70415348129
NM_005401	PTPN14	4325	4360	8.93269663761
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NM_005402	RALA	813	850	3.19167744027
NM_005402	RALA	277	346	4.19185118304
NM_005402	RALA	2282	2353	3.18783359042
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NM_005402	RALA	495	550	3.10771198121
NM_005402	RALA	696	794	4.77681369131
NM_006471	MYL12A	542	632	3.32047553537
NM_006471	MYL12A	485	540	3.80590236254
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NM_003113	SP100	246	298	6.67445760399
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NM_003115	UAP1	1891	1933	5.18967548171
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NM_006476	ATP5L	123	194	1.37805991116
NM_006476	ATP5L	573	680	3.70400560622
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NM_144765	MPZL2	1049	1153	8.29867267782
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NM_180977	PPP2R5D	215	261	6.41288004553
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NM_207191	ADAM15	2430	2545	9.76830505995
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NM_207191	ADAM15	1757	1801	7.44637696507
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NM_178868	CMTM8	637	692	9.50683185786

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NM_032521	PAR6B	304	337	6.37779894995
NM_032523	OSBPL6	3030	3079	12.5498551621
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NM_032256	TMEM117	884	948	9.36099244266
NM_152743	BRAT1	981	1034	10.7241178697
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NM_013285	GNL2	1390	1498	6.36140356455
NM_013285	GNL2	505	559	4.77644106361
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NM_013286	RBM15B	3833	3887	8.22604753315
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NM_013283	MAT2B	440	493	5.20664675927
NM_014060	MCTS1	5858	5926	6.88693379971
NM_014060	MCTS1	1755	1802	5.88676004939
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NM_014062	NOB1	1560	1621	3.99918454577
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NM_014062	NOB1	534	601	4.58432056089
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NM_014063	DBNL	232	338	6.97173296071
NM_014063	DBNL	590	639	7.55669545388
NM_014063	DBNL	1915	1962	5.97173296049
NM_014063	DBNL	540	588	5.97173295316
NM_014063	DBNL	344	403	6.97155921039
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NM_014063	DBNL	1564	1639	6.97173296049
NM_001007468	SMARCB1	907	991	5.02960496588
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NM_001007464	RWDD1	429	489	3.56067438835
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NM_015626	WSB1	2195	2250	3.60300743269
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NM_018034	WDR70	636	719	7.70389771876
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NM_018031	WDR6	1403	1487	7.71211416966
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NM_001242829	IP6K1	1534	1622	6.19625435974
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NM_014939	TRAPPC8	2909	2946	8.18203993148
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NM_014931	PPP6R1	1832	1890	5.21226629253
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NM_014935	PLEKHA6	4618	4666	7.71973133332
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NM_017871	CPSF3L	1918	1972	5.75714971482
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NM_017877	C2orf18	2809	2854	10.2006914583
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NM_017877	C2orf18	1953	2033	9.69986793106
NM_017877	C2orf18	3102	3193	11.0217962619
NM_017877	C2orf18	337	423	11.0217962619
NM_017877	C2orf18	723	767	10.2848306601
NM_017877	C2orf18	967	1015	9.6958505668
NM_017877	C2orf18	448	516	8.69986143592
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NM_017877	C2orf18	1415	1522	11.2848306677
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NM_001873	CPE	1470	1531	3.06817391948
NM_001873	CPE	1171	1235	2.06818065053
NM_001873	CPE	2152	2205	2.65314291534
NM_001873	CPE	1264	1368	3.65314315125
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NM_001002836	ZNF787	1849	1921	11.7800822277
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XM_001126659	LOC728026		82	114 6.81868298113
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NM_030808	NDEL1	1021	1053	2.81791723946
NM_030808	NDEL1	364	425	2.90188269852
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NM_030808	NDEL1	1064	1172	2.90205644884
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NM_015484	SYF2	595	670	2.59502546519
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NM_030801	MAGED4B	1654	1686	4.34811276099
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NM_030801	MAGED4B	1055	1116	5.34811276099
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NM_030801	MAGED4B	2326	2373	4.34828650376
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NM_030801	MAGED4B	139	191	4.34827978025
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NM_030805	LMAN2L	1329	1388	4.82347091612
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NM_030805	LMAN2L	440	509	6.41245101702
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NM_007375	TARDBP	1887	1943	5.60001318482
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NM_007375	TARDBP	465	722	7.40736810689
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NM_007375	TARDBP	116	228	6.40736810689
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NM_004627	WRB	721	786	3.15102482401
NM_004627	WRB	329	406	5.73599405579
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NM_004627	WRB	542	634	5.47295964996
NM_004336	BUB1	196	239	6.57204875719
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NM_004622	TSN	610	680	6.99910493834
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NM_004339	PTTG1IP	1952	2011	0.738253882469
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NM_004339	PTTG1IP	217	300	3.3232163832
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NM_004629	FANCG	996	1046	8.73504457727
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NM_001199355	RPL17-C180RF32	12	60	3.39252538566
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NM_001199355	RPL17-C180RF32	202	501	6.9774878866
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NM_022965	FGFR3	1776	1878	6.39895587622
NM_022965	FGFR3	873	963	4.8139933755
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NM_022965	FGFR3	2316	2374	4.72985416612
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NM_022965	FGFR3	474	583	5.39895587622
NM_022965	FGFR3	1888	2050	5.8139933755
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NM_001011	RPS7	12	98	-0.798085535083
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NM_020524	PBXIP1	2305	2359	8.72487392146
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NM_016474	C3orf19	62	123	5.49289209891
NM_016476	ANAPC11	566	608	5.0018239662

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NM_016470	C20orf111		416	523 4.69876993183
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NM_016472	C14orf129		735	856 7.54462202123
NM_016472	C14orf129		135	216 6.54461529017
NM_016479	SHISA5	2038	2088	8.13702553647
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NM_016479	SHISA5	834	938	8.55206303575
NM_016479	SHISA5	461	557	9.35941795781
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NM_016478	ZC3HC1	823	862	8.68173618694
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NM_172210	CSF1	1691	1734	8.37508306071
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NM_001078645	CDC16	1750	1809	5.52427388289
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NM_015323	UFL1	1779	1850	4.97236223893
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NM_145257	C1orf96	484	541	5.89155572565
NM_006667	PGRMC1	358	406	6.98796355853
NM_006667	PGRMC1	1289	1396	6.98796355875
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NM_006667	PGRMC1	1633	1745	5.40299432698
NM_006666	RUVBL2	1047	1098	6.46569322816
NM_006666	RUVBL2	1139	1216	5.46569323571
NM_006666	RUVBL2	445	497	7.05065573643
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NM_006666	RUVBL2	34	91	5.46569323571
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NM_145252	ZG16B	347	383	9.57924845292
NM_006660	CLPX	510	561	2.41465013196
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NM_145702	TIGD1	875	911	7.91290791383
NM_006662	SRCAP	1994	2042	5.9799674371
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NM_138820	HIGD2A	299	369	8.6151752935
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NM_002969	MAPK12	1154	1193	6.17422245196
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NM_002748	MAPK6	1267	1324	3.64595749531
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NM_002746	MAPK3	408	493	7.03498563192
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NM_002744	PRKCZ	810	865	4.67551141559
NM_002744	PRKCZ	1010	1072	6.75965038905
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NM_002961	S100A4	213	345	10.9906974813
NM_002743	PRKCSH	225	351	6.34401524744
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NM_002740	PRKCI	1283	1325	5.92317867537	
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NM_031444	C22orf13		2073	2125	5.00747705422
NM_031444	C22orf13		960	1002	4.92735544501
NM_031444	C22orf13		2919	2959	6.00747705422
NM_031444	C22orf13		358	424	6.59645042406
NM_031444	C22orf13		1108	1203	6.59645715489
NM_031444	C22orf13		3038	3119	5.01149464684
NM_031444	C22orf13		567	650	6.01132090407
NM_031444	C22orf13		428	556	7.01149465439
NM_024602	HECTD3	2058	2107	7.39215657385	
NM_024602	HECTD3	1044	1080	7.39198282376	
NM_024602	HECTD3	654	732	6.39214984302	
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NM_031229	RBCK1	2474	2667	6.97859124276	
NM_031229	RBCK1	743	847	4.65666314787	
NM_031992	EIF4H	1579	1622	3.62330997148	
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NM_001145724	HOMER3	472	547	9.67526487535
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NM_014236	GNPAT	2154	2210	4.7833125735
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NM_014720	SLK	443	473	5.21161204836
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NM_001143760	EIF5A	801	850	3.03257085546
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NM_152487	TMEM56	1123	1160	10.8534931445
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NM_005488	TOM1	813	904	5.66712994598	
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NM_001545	ICT1	197	242	4.27081778901	
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NM_032758	PHF5A	121	181	5.60117244165	
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NM_152265	BTF3L4	341	405	3.55870834185	
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NM_178169	RASSF3	3230	3314	7.89791737831
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NM_152261	C12orf23		771	865 9.03724006723
NM_152261	C12orf23		950	995 8.22987841412
NM_152261	C12orf23		2694	2779 8.81484764589
NM_152261	C12orf23		2561	2657 7.22988514517
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NM_016657	KDEL3	699	771	11.0727401585
NM_016657	KDEL3	132	211	9.93523663479
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NM_053039	UGT2B28	47	89	11.0441900367
NM_053039	UGT2B28	1099	1143	10.1697209188
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NM_022778	CEP85	3072	3101	6.62943979573
NM_022774	DEM1	443	485	9.47226758869
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NM_022772	EPS8L2	1968	2070	3.29372725644
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NM_018936	PCDHB2	543	583	8.25690753038
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NM_020860	STIM2	566	620	7.40970618253
NM_020860	STIM2	957	1016	7.99466844756
NM_020860	STIM2	2443	2522	9.40970618276
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NM_020860	STIM2	3068	3129	7.99466195242
NM_020860	STIM2	1191	1345	10.1101459009
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NM_020860	STIM2	3459	3543	6.4096994517
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NM_020860	STIM2	2140	2215	6.40970617521
NM_020860	STIM2	1775	1983	9.73163427764
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NM_020860	STIM2	1080	1169	8.99466868348
NM_020860	STIM2	3275	3370	7.40970618276
NM_203433	PSMG1	557	637	5.46445585096
NM_203433	PSMG1	394	447	5.46444935582
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NM_017774	CDKAL1	607	668	6.87578590844
NM_017774	CDKAL1	457	521	6.87595292771
NM_017774	CDKAL1	2914	2959	6.87194205859
NM_017774	CDKAL1	1167	1226	8.87595942284
NM_017774	CDKAL1	76	150	8.87595965876
NM_017774	CDKAL1	1023	1094	6.87194205859
NM_019048	ASNSD1	1115	1164	5.09870535363
NM_019048	ASNSD1	1999	2070	7.18284455546
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NM_019044	CCDC93	6454	6523	4.05047493484
NM_019044	CCDC93	2121	2183	2.96633572567
NM_019044	CCDC93	306	353	4.63141983561
NM_019044	CCDC93	5298	5334	2.96633572567
NM_019044	CCDC93	2420	2467	3.04645733489
NM_019044	CCDC93	3032	3085	3.05047492751
NM_019044	CCDC93	364	439	4.63543743577
NM_019041	MTRF1L	481	528	5.79010556173
NM_019042	PUS7	2249	2325	6.81310308075
NM_019042	PUS7	3011	3040	6.81694693061