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|---------|----------------|
| A2ML1 | NM_144670.6 |
| AARS1 | |
| AARS2 | NM_020745.4 |
| ABCA2 | |
| ABCC9 | NM_005691.4 |
| ABCD1 | NM_000033.4 |
| ABCD4 | NM_005050.4 |
| ABHD16A | NM_021160.3 |
| ABHD5 | NM_016006.6 |
| ACAD9 | NM_014049.5 |
| ACADS | NM_000017.4 |
| ACAN | NM_013227.4 |
| ACAT1 | NM_000019.4 |
| ACO2 | |
| ACOX1 | NM_004035.7 |
| ACSF3 | |
| ACSL4 | NM_004458.3 |
| ACTB | NM_001101.5 |
| ACTG1 | NM_001614.5 |
| ACTL6A | |
| ACTL6B | NM_016188.5 |
| ACVR1 | NM_001105.5 |
| ACY1 | NM_000666.3 |
| ADA | NM_000022.4 |
| ADAM22 | |
| ADAR | |
| ADARB1 | NM_015833.4 |
| ADAT3 | |
| ADD1 | |
| ADD3 | |
| ADGRG1 | |
| ADGRL1 | NM_001008701.3 |
| ADK | NM_001123.4 |
| ADNP | NM_015339.5 |
| ADPRS | NM_017825.3 |
| ADSL | NM_000026.4 |
| AFF2 | NM_002025.4 |
| AFF3 | NM_002285.3 |
| AFF4 | NM_014423.4 |
| AGA | NM_000027.4 |
| AGMO | |
| AGO1 | NM_012199.5 |
| AGO2 | |

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| AGPAT2 | NM_006412.4 |
| AGPS | NM_003659.4 |
| AGTPBP1 | |
| AHCY | NM_000687.4 |
| AHDC1 | NM_001029882.3 |
| AHI1 | NM_017651.5 |
| AIFM1 | |
| AIMP1 | |
| AIMP2 | |
| AK1 | |
| AKT3 | NM_005465.7 |
| ALDH18A1 | NM_002860.4 |
| ALDH3A2 | NM_000382.3 |
| ALDH5A1 | NM_001080.3 |
| ALDH7A1 | NM_001182.5 |
| ALDOB | NM_000035.4 |
| ALG1 | NM_019109.5 |
| ALG11 | |
| ALG12 | NM_024105.4 |
| ALG13 | NM_001099922.3 |
| ALG2 | |
| ALG3 | NM_005787.6 |
| ALG6 | NM_013339.4 |
| ALG9 | NM_024740.2 |
| ALKBH8 | NM_001301010.3 |
| ALMS1 | NM_001378454.1 |
| ALS2 | |
| AMER1 | NM_152424.4 |
| AMFR | |
| AMPD2 | |
| AMT | NM_000481.4 |
| ANAPC1 | |
| ANK2 | NM_001148.6 |
| ANK3 | NM_020987.5 |
| ANKH | NM_054027.6 |
| ANKRD1 | NM_014391.3 |
| ANKRD11 | NM_013275.6 |
| ANKRD17 | NM_001286771.3 |
| ANKS1B | NM_152788.4 |
| ANO10 | |
| ANO3 | |
| ANOS1 | NM_000216.4 |
| AP1B1 | |

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| AP1G1 | NM_001030007.2 |
| AP1S1 | |
| AP1S2 | NM_003916.5 |
| AP2M1 | NM_004068.4 |
| AP3B1 | |
| AP3B2 | |
| AP3D1 | |
| AP4B1 | NM_006594.5 |
| AP4E1 | NM_007347.5 |
| AP4M1 | NM_004722.4 |
| AP4S1 | NM_007077.5 |
| APC2 | NM_005883.3 |
| APTX | NM_175073.3 |
| ARCN1 | |
| ARF1 | |
| ARF3 | |
| ARFGEF1 | |
| ARFGEF2 | NM_006420.3 |
| ARG1 | NM_000045.4 |
| ARHGAP32 | |
| ARHGAP35 | |
| ARHGEF6 | NM_004840.3 |
| ARHGEF9 | NM_015185.3 |
| ARID1A | NM_006015.6 |
| ARID1B | NM_001374820.1 |
| ARID2 | |
| ARIH1 | NM_005744.5 |
| ARL13B | NM_182896.3 |
| ARL3 | |
| ARL6 | NM_177976.3 |
| ARMC9 | |
| ARPC4 | |
| ARSA | NM_000487.6 |
| ARSL | |
| ARV1 | |
| ARX | NM_139058.3 |
| ASAH1 | NM_177924.5 |
| ASH1L | NM_018489.3 |
| ASL | NM_000048.4 |
| ASNS | |
| ASPA | NM_000049.4 |
| ASPM | NM_018136.5 |
| ASS1 | NM_000050.4 |

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| ASXL1 | NM_015338.6 |
| ASXL2 | |
| ASXL3 | NM_030632.3 |
| ATAD3A | |
| ATG7 | |
| ATIC | NM_004044.7 |
| ATN1 | |
| ATP1A1 | NM_000701.8 |
| ATP1A2 | |
| ATP1A3 | |
| ATP2A2 | |
| ATP2B1 | |
| ATP5F1A | |
| ATP5F1E | |
| ATP5PO | |
| ATP6AP2 | NM_005765.3 |
| ATP6V0A1 | |
| ATP6V0A2 | |
| ATP6V0C | |
| ATP6V1A | |
| ATP6V1B2 | |
| ATP7A | NM_000052.7 |
| ATP7B | NM_000053.4 |
| ATP8A2 | |
| ATP9A | |
| ATR | NM_001184.4 |
| ATRX | NM_000489.6 |
| AUH | NM_001698.3 |
| AUTS2 | NM_015570.4 |
| B3GALNT2 | |
| B3GALT6 | |
| B3GAT3 | NM_012200.4 |
| B3GLCT | NM_194318.4 |
| B4GALNT1 | |
| B4GALT1 | |
| B4GALT7 | NM_007255.3 |
| B9D1 | NM_015681.5 |
| BAP1 | |
| BBIP1 | NM_001195306.2 |
| BBS1 | NM_024649.5 |
| BBS10 | NM_024685.4 |
| BBS12 | NM_152618.3 |
| BBS2 | NM_031885.5 |

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|  <small>LILLE INTEGRATED GENOMIC ADVANCED NETWORK</small> | List of genes | LIGAN/R4-EN-10 V4 |
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| BBS4 | NM_033028.5 |
| BBS5 | NM_152384.3 |
| BBS7 | NM_176824.3 |
| BBS9 | NM_198428.3 |
| BCAP31 | |
| BCAS3 | NM_001099432.3 |
| BCKDHA | NM_000709.4 |
| BCKDHB | NM_183050.4 |
| BCKDK | NM_005881.4 |
| BCL11A | NM_022893.4 |
| BCL11B | |
| BCOR | NM_017745.6 |
| BCORL1 | |
| BCS1L | NM_004328.5 |
| BICRA | |
| BLM | NM_000057.4 |
| BLOC1S1 | |
| BLTP1 | |
| BOD1 | |
| BOLA3 | |
| BPTF | |
| BRAF | NM_004333.6 |
| BRAT1 | |
| BRCA1 | |
| BRD3 | NM_007371.4 |
| BRD4 | |
| BRF1 | |
| BRPF1 | NM_001003694.2 |
| BRSK2 | |
| BRWD1 | NM_018963.5 |
| BRWD3 | NM_153252.5 |
| BSCL2 | NM_032667.6 |
| BTD | NM_001370658.1 |
| BTF3 | NA |
| BUB1B | NM_001211.6 |
| BUD13 | |
| C12orf4 | |
| C12orf57 | NM_138425.4 |
| C2orf69 | |
| CA2 | NM_000067.3 |
| CA5A | |
| CA8 | NM_004056.6 |
| CACNA1A | NM_001127221.2 |

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| CACNA1B | NM_000718.4 |
| CACNA1C | NM_000719.7 |
| CACNA1D | NM_000720.4 |
| CACNA1E | NM_000721.4 |
| CACNA1F | NM_005183.4 |
| CACNA1G | NM_018896.5 |
| CACNA1H | |
| CACNA1I | |
| CACNA2D1 | NM_000722.4 |
| CACNA2D2 | |
| CACNG2 | NM_006078.5 |
| CAD | NM_004341.5 |
| CAMK2A | NM_015981.4 |
| CAMK2B | |
| CAMK4 | |
| CAMSAP1 | |
| CAMTA1 | NM_015215.4 |
| CAPN10 | |
| CAPN15 | |
| CAPRIN1 | |
| CAPZA2 | |
| CARS1 | |
| CARS2 | |
| CASK | NM_003688.3 |
| CASR | NM_000388.4 |
| CBL | NM_005188.4 |
| CBS | NM_000071.3 |
| CBX1 | |
| CBY1 | |
| CC2D1A | NM_017721.5 |
| CC2D2A | NM_001080522.2 |
| CCBE1 | NM_133459.4 |
| CCDC115 | |
| CCDC174 | |
| CCDC22 | NM_014008.5 |
| CCDC32 | |
| CCDC47 | NM_020198.3 |
| CCDC82 | |
| CCDC88A | |
| CCDC88C | |
| CCND2 | NM_001759.4 |
| CDC42 | |
| CDC42BPB | |

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| CDH10 | NM_006727.5 |
| CDH11 | |
| CDH15 | NM_004933.3 |
| CDH2 | NM_001792.5 |
| CDH9 | NM_016279.4 |
| CDK10 | |
| CDK13 | NM_003718.5 |
| CDK19 | NM_001300960.2 |
| CDK5RAP2 | NM_018249.6 |
| CDK6 | NM_001259.8 |
| CDK8 | NM_001260.3 |
| CDK9 | NM_001261.4 |
| CDKL5 | NM_003159.3 |
| CDON | |
| CELF2 | |
| CENPE | |
| CENPF | NM_016343.4 |
| CENPJ | NM_018451.5 |
| CEP104 | NM_014704.4 |
| CEP120 | NM_153223.4 |
| CEP135 | |
| CEP152 | NM_014985.4 |
| CEP19 | NM_032898.5 |
| CEP290 | NM_025114.4 |
| CEP41 | NM_018718.3 |
| CEP55 | |
| CEP57 | |
| CEP63 | |
| CEP83 | NM_016122.3 |
| CEP85L | |
| CERT1 | NM_001130105.1 |
| CHAMP1 | NM_001164144.3 |
| CHD1 | |
| CHD2 | NM_001271.4 |
| CHD3 | |
| CHD4 | NM_001273.5 |
| CHD5 | NM_015557.3 |
| CHD7 | NM_017780.4 |
| CHD8 | NM_001170629.2 |
| CHKA | |
| CHKB | NM_005198.5 |
| CHMP1A | |
| CHRNA2 | NM_000742.4 |

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| CHRNA4 | NM_000744.7 |
| CHRNA7 | NM_000746.6 |
| CHRNA2 | NM_000748.3 |
| CIC | |
| CIT | |
| CKAP2L | |
| CLCN2 | NM_004366.6 |
| CLCN3 | NM_173872.4 |
| CLCN4 | NM_001830.4 |
| CLCN6 | NM_001286.5 |
| CLCN7 | |
| CLDN11 | |
| CLDN5 | |
| CLIC2 | NM_001289.6 |
| CLN3 | NM_001042432.2 |
| CLN5 | NM_006493.4 |
| CLN6 | NM_017882.3 |
| CLN8 | NM_018941.4 |
| CLP1 | |
| CLPB | |
| CLPP | |
| CLTC | NM_001288653.2 |
| CNKSR1 | |
| CNKSR2 | NM_014927.5 |
| CNNM2 | NM_017649.5 |
| CNOT1 | NM_001265612.2 |
| CNOT3 | NM_014516.4 |
| CNOT9 | |
| CNPY3 | |
| CNTN4 | NM_175607.3 |
| CNTNAP1 | |
| CNTNAP2 | NM_014141.6 |
| COA8 | NM_001370595.2 |
| COASY | |
| COG1 | |
| COG5 | |
| COG6 | |
| COG7 | |
| COG8 | |
| COL18A1 | NM_001379500.1 |
| COL27A1 | |
| COL3A1 | NM_000090.4 |
| COL4A1 | NM_001845.6 |

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| COL4A2 | NM_001846.4 |
| COLEC11 | |
| COLGALT1 | |
| COPB1 | |
| COPB2 | |
| COQ2 | NM_015697.9 |
| COQ4 | |
| COQ8A | NM_020247.5 |
| COX10 | NM_001303.4 |
| COX15 | NM_004376.7 |
| CPA6 | NM_020361.5 |
| CPE | NM_001873.4 |
| CPLANE1 | NM_023073.4 |
| CPLX1 | |
| CPS1 | NM_001875.5 |
| CPSF3 | |
| CRADD | |
| CRBN | NM_016302.4 |
| CREBBP | NM_004380.3 |
| CRIPT | |
| CRLS1 | |
| CRMP1 | |
| CRPPA | |
| CSDE1 | NM_001130523.3 |
| CSF1R | |
| CSGALNACT1 | |
| CSNK1G1 | |
| CSNK2A1 | NM_001895.4 |
| CSNK2B | |
| CSPP1 | NM_024790.6 |
| CSTB | NM_000100.4 |
| CTBP1 | |
| CTCF | NM_006565.4 |
| CTDP1 | |
| CTNNA2 | |
| CTNNB1 | NM_001904.4 |
| CTNND1 | |
| CTR9 | |
| CTSF | NM_003793.4 |
| CTU2 | NM_001012759.3 |
| CUL3 | NM_003590.5 |
| CUL4B | NM_003588.4 |
| CUX1 | |

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| CUX2 | NM_015267.4 |
| CWC27 | |
| CWF19L1 | |
| CYB5R3 | |
| CYFIP1 | NM_014608.6 |
| CYFIP2 | |
| CYP26B1 | |
| CYP27A1 | NM_000784.4 |
| CYP2U1 | NM_183075.3 |
| D2HGDH | NM_152783.5 |
| DAG1 | |
| DAGLA | |
| DARS1 | |
| DARS2 | |
| DBT | NM_001918.5 |
| DCAF17 | |
| DCC | |
| DCHS1 | NM_003737.4 |
| DCPS | |
| DCX | NM_178153.3 |
| DDB1 | NM_001923.5 |
| DDC | |
| DDHD2 | NM_015214.3 |
| DDOST | |
| DDX23 | |
| DDX3X | NM_001193416.3 |
| DDX59 | NM_001031725.6 |
| DDX6 | NM_004397.6 |
| DEAF1 | NM_021008.4 |
| DEGS1 | |
| DENND5A | |
| DEPDC5 | NM_001242896.3 |
| DHCR24 | NM_014762.4 |
| DHCR7 | NM_001360.3 |
| DHDDS | |
| DHFR | |
| DHPS | NM_001930.4 |
| DHX30 | |
| DHX37 | |
| DHX9 | |
| DIAPH1 | |
| DIP2B | NM_173602.3 |
| DIS3L2 | NM_152383.5 |

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| DISC1 | NM_018662.3 |
| DKC1 | NM_001363.5 |
| DLAT | |
| DLD | NM_000108.5 |
| DLG2 | NM_001142699.3 |
| DLG3 | NM_021120.4 |
| DLG4 | |
| DLL1 | NM_005618.4 |
| DMD | NM_004006.3 |
| DMPK | NM_001081563.2 |
| DMXL2 | NM_001174116.3 |
| DNAH14 | |
| DNAJC12 | |
| DNAJC19 | NM_145261.4 |
| DNM1 | NM_004408.4 |
| DNM1L | NM_012062.5 |
| DNM3 | NM_015569.5 |
| DNMT3A | NM_175629.2 |
| DNMT3B | NM_006892.4 |
| DOCK3 | |
| DOCK6 | NM_020812.4 |
| DOCK7 | |
| DOCK8 | |
| DOHH | NM_001145165.2 |
| DONSON | |
| DPAGT1 | NM_001382.4 |
| DPF2 | |
| DPH1 | NM_001383.6 |
| DPH5 | |
| DPM1 | NM_003859.3 |
| DPM3 | |
| DPP6 | NM_001936.5 |
| DPYD | NM_000110.4 |
| DPYSL5 | NM_020134.4 |
| DRG1 | |
| DSCAM | NM_001389.5 |
| DTYMK | |
| DYM | |
| DYNC1H1 | NM_001376.5 |
| DYNC1I2 | NM_001378.3 |
| DYRK1A | NM_001396.5 |
| EARS2 | |
| EBF3 | NM_001005463.3 |

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| EBP | NM_006579.3 |
| ECHS1 | |
| EDEM3 | NM_025191.4 |
| EED | |
| EEF1A2 | NM_001958.5 |
| EEF1B2 | |
| EEF1D | |
| EEF2 | |
| EFL1 | |
| EFTUD2 | NM_004247.4 |
| EHMT1 | NM_024757.5 |
| EIF2AK2 | |
| EIF2AK3 | NM_004836.7 |
| EIF2B1 | NM_001414.4 |
| EIF2B2 | |
| EIF2B3 | |
| EIF2B4 | NM_015636.4 |
| EIF2B5 | |
| EIF2S3 | NM_001415.4 |
| EIF3F | |
| EIF4A2 | |
| EIF4A3 | |
| EIF4E | NM_001130679.3 |
| EIF5A | NM_001970.5 |
| ELAC2 | NM_018127.7 |
| ELOVL4 | |
| ELP2 | NM_001242875.3 |
| EMC1 | NM_015047.3 |
| EMC10 | |
| EMG1 | |
| EML1 | |
| EMX2 | |
| EN2 | NM_001427.4 |
| ENTPD1 | |
| EP300 | NM_001429.4 |
| EPB41L1 | NM_012156.2 |
| EPG5 | NM_020964.3 |
| EPM2A | NM_005670.4 |
| EPRS1 | |
| ERBB4 | |
| ERCC1 | |
| ERCC2 | |
| ERCC3 | |

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| ERCC5 | |
| ERCC6 | NM_000124.4 |
| ERCC6L2 | |
| ERCC8 | NM_000082.4 |
| ERF | |
| ERLIN2 | NM_007175.8 |
| ESAM | NM_138961.3 |
| ESCO2 | NM_001017420.3 |
| ETHE1 | |
| EXOC7 | |
| EXOC8 | |
| EXOSC2 | |
| EXOSC3 | |
| EXOSC5 | |
| EXOSC8 | |
| EXOSC9 | |
| EXT2 | |
| EXTL3 | |
| EZH2 | |
| FAM126A | |
| FAM149B1 | |
| FAM50A | |
| FANCD2 | NM_033084.6 |
| FAR1 | |
| FARS2 | NM_006567.5 |
| FASTKD2 | NM_014929.4 |
| FAT1 | |
| FAT4 | NM_024582.6 |
| FBN3 | NM_032447.5 |
| FBRSL1 | |
| FBXL3 | |
| FBXL4 | NM_012160.5 |
| FBXO11 | NM_001190274.2 |
| FBXO28 | |
| FBXO31 | |
| FBXW11 | NM_012300.3 |
| FBXW7 | |
| FCSK | |
| FDFT1 | |
| FEM1B | |
| FGD1 | NM_004463.3 |
| FGF12 | NM_021032.5 |
| FGF13 | |

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| FGFR1 | NM_023110.3 |
| FGFR2 | NM_000141.5 |
| FGFR3 | NM_000142.5 |
| FH | |
| FIBP | |
| FICD | NM_007076.3 |
| FIG4 | |
| FILIP1 | |
| FITM2 | |
| FKRP | NM_024301.5 |
| FKTN | NM_001079802.2 |
| FLNA | NM_001456.4 |
| FMN2 | |
| FMR1 | NM_002024.6 |
| FOLR1 | NM_016725.3 |
| FOSL2 | |
| FOXG1 | NM_005249.5 |
| FOXP1 | NM_032682.6 |
| FOXP2 | NM_014491.4 |
| FOXP4 | NM_001012426.2 |
| FOXRED1 | |
| FRA10AC1 | |
| FRAS1 | NM_025074.7 |
| FRMD4A | |
| FRMD5 | |
| FRMPD4 | NM_014728.3 |
| FRRS1L | |
| FRY | |
| FTCD | NM_006657.3 |
| FTO | |
| FTSJ1 | NM_012280.4 |
| FUCA1 | NM_000147.5 |
| FUT8 | |
| FZR1 | |
| GABBR1 | NM_001470.4 |
| GABBR2 | NM_005458.8 |
| GABRA1 | NM_000806.5 |
| GABRA2 | |
| GABRA5 | |
| GABRB2 | NM_021911.3 |
| GABRB3 | NM_000814.6 |
| GABRD | NM_000815.5 |
| GABRG2 | NM_000816.3 |

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GAD1
 GALC
 GALE NM_000403.4
 GALNT2
 GALT NM_000155.4
 GAMT NM_000156.6
 GAN
 GAP43 NM_001130064.2
 GATA6 NM_005257.6
 GATAD2A
 GATAD2B NM_020699.4
 GATM NM_001482.3
 GBA NM_001005741.3
 GBA2
 GCDH NM_000159.4
 GCH1 NM_000161.3
 GCSH NM_004483.5
 GDF1 NM_001492.6
 GDF11
 GDI1 NM_001493.3
 GEMIN4
 GEMIN5
 GFAP
 GFM1 NM_024996.7
 GFM2
 GFPT2 NM_005110.4
 GHR NM_000163.5
 GIGYF1
 GJC2 NM_020435.4
 GK NM_000167.6
 GLB1 NM_000404.4
 GLDC NM_000170.3
 GLI2 NM_005270.5
 GLI3 NM_000168.6
 GLIS3 NM_152629.4
 GLRA2
 GLS
 GLUL
 GMNN
 GMPPA
 GMPPB
 GNAI1 NM_002069.6
 GNAO1 NM_020988.3

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| | |
|---------|----------------|
| GNAS | NM_000516.7 |
| GNB1 | NM_002074.5 |
| GNB2 | |
| GNB5 | |
| GNPAT | NM_014236.4 |
| GNPTAB | |
| GNPTG | |
| GNS | |
| GOLGA2 | |
| GOSR2 | NM_004287.5 |
| GOT2 | |
| GPAA1 | |
| GPC3 | NM_004484.4 |
| GPC4 | |
| GPHN | |
| GPRASP1 | NM_001099411.2 |
| GPT2 | |
| GRIA1 | NM_001114183.2 |
| GRIA2 | |
| GRIA3 | NM_000828.5 |
| GRIA4 | NM_000829.4 |
| GRID2 | NM_001510.4 |
| GRIK2 | NM_021956.5 |
| GRIN1 | NM_007327.4 |
| GRIN2A | NM_000833.5 |
| GRIN2B | NM_000834.5 |
| GRIN2D | |
| GRIP1 | NM_021150.4 |
| GRM1 | |
| GRM7 | |
| GSS | |
| GSX2 | |
| GTF2E2 | |
| GTF2H5 | |
| GTPBP2 | |
| GTPBP3 | NM_133644.4 |
| GUSB | NM_000181.4 |
| H1-4 | |
| H3-3A | NM_002107.7 |
| H3-3B | NM_005324.5 |
| H4C11 | |
| H4C3 | |
| H4C4 | |

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H4C5
H4C6
H4C9
HACE1
HAL NM_002108.4
HARS1
HAX1
HCCS NM_005333.5
HCFC1 NM_005334.3
HCN1 NM_021072.4
HCN2 NM_001194.4
HCRT
HDAC4 NM_006037.4
HDAC8 NM_018486.3
HEATR3
HECTD4
HECW2
HEPACAM NM_152722.5
HERC1
HERC2
HESX1 NM_003865.3
HEXA NM_000520.6
HGSNAT NM_152419.3
HIBCH
HID1
HIKESHI
HIRA
HIVEP2 NM_006734.4
HK1 NM_000188.3
HLCS
HMGA2 NM_003483.6
HMGB1
HNMT
HNRNPC NM_031314.3
HNRNPD
HNRNPH1
HNRNPH2
HNRNPK NM_002140.5
HNRNPR
HNRNPU NM_031844.3
HNRNPUL2
HOXA1 NM_005522.5
HPCA

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HPD

HPDL NM_032756.3

HPRT1 NM_000194.3

HRAS NM_005343.4

HS2ST1 NM_012262.4

HSD17B10 NM_004493.3

HSD17B4 NM_000414.4

HSPA9 NM_004134.7

HSPD1

HTR2C NM_000868.3

HTRA2

HTT

HUWE1 NM_031407.7

IARS1 NM_002161.6

IDH2

IDS NM_000202.8

IDUA NM_000203.5

IER3IP1 NM_016097.5

IFIH1

IFT172 NM_015662.3

IFT27 NM_006860.5

IFT74

IGBP1 NM_001551.3

IGF1 NM_000618.5

IGF1R NM_000875.5

IKBKG NM_001099857.5

IL1RAPL1 NM_014271.4

IMPA1

IMPDH2

INPP4A

INPP5E NM_019892.6

INPP5K

INTS1

INTS11 NM_001256456.2

IPO8 NM_006390.4

IPP

IQSEC1 NM_014869.8

IQSEC2 NM_001111125.3

IRF2BPL

IRX5

ISCA2

ITCH

ITGAV

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ITPA
ITPR1 NM_002222.7
ITSN1
IVD NM_002225.5
JAM2
JAM3 NM_032801.5
JARID2
KANSL1 NM_001193466.2
KANSL2 NM_017822.4
KARS1
KAT5 NM_006388.4
KAT6A NM_006766.5
KAT6B NM_012330.4
KAT8 NM_182958.4
KATNAL2 NM_031303.3
KATNB1
KATNIP NM_015202.5
KCNA1 NM_000217.3
KCNA2
KCNA6
KCNB1 NM_004975.4
KCNC1 NM_001112741.2
KCNC2
KCND2 NM_012281.3
KCNH1 NM_172362.3
KCNH5
KCNJ10 NM_002241.5
KCNJ11 NM_000525.4
KCNJ6 NM_002240.5
KCNK3 NM_002246.3
KCNK4
KCNK9 NM_001282534.2
KCNMA1 NM_002247.4
KCNN2
KCNN3 NM_002249.6
KCNQ2 NM_172107.4
KCNQ3 NM_004519.4
KCNQ5
KCNT1 NM_020822.3
KCNT2
KCTD13 NM_178863.5
KCTD7 NM_153033.5
KDM1A NM_001009999.3

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KDM2B
 KDM3B NM_016604.4
 KDM4B NM_015015.3
 KDM5A NM_001042603.3
 KDM5B NM_006618.5
 KDM5C NM_004187.5
 KDM6A NM_021140.4
 KDM6B NM_001080424.2
 KIAA0586 NM_001244189.2
 KIAA0753 NM_014804.3
 KIDINS220 NM_020738.4
 KIF11 NM_004523.4
 KIF14 NM_014875.3
 KIF1A NM_004321.8
 KIF21B
 KIF2A
 KIF4A
 KIF5A
 KIF5B
 KIF5C
 KIF7 NM_198525.3
 KIFBP
 KIRREL3 NM_032531.4
 KLF8 NM_007250.5
 KLHL15 NM_030624.3
 KLHL20
 KLHL7
 KMT2A NM_001197104.2
 KMT2B
 KMT2C NM_170606.3
 KMT2D NM_003482.4
 KMT2E NM_182931.3
 KMT5B NM_017635.5
 KPNA7
 KPTN
 KRAS NM_004985.5
 L1CAM NM_000425.5
 L2HGDH
 LAGE3
 LAMA1
 LAMA2 NM_000426.4
 LAMB1
 LAMC3 NM_006059.4

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| | |
|---------|----------------|
| LAMP2 | NM_002294.3 |
| LARGE1 | NM_004737.7 |
| LARP7 | |
| LARS2 | |
| LAS1L | NM_031206.7 |
| LEO1 | |
| LETM1 | |
| LGI1 | NM_005097.4 |
| LHX2 | |
| LIAS | |
| LIG4 | |
| LIMK1 | NM_002314.4 |
| LINGO1 | |
| LINS1 | |
| LIPT2 | |
| LMBRD1 | NM_018368.4 |
| LMBRD2 | |
| LMNB1 | NM_005573.4 |
| LMNB2 | NM_032737.4 |
| LNPK | |
| LONP1 | NM_004793.4 |
| LRP2 | NM_004525.3 |
| LRPPRC | |
| LRRC43 | NM_001098519.2 |
| LSM1 | |
| LSS | |
| LTBP1 | |
| LYRM7 | |
| LZTFL1 | NM_020347.4 |
| LZTR1 | NM_006767.4 |
| MAB21L1 | |
| MAB21L2 | |
| MACF1 | |
| MADD | |
| MAF | |
| MAG | |
| MAGEL2 | NM_019066.5 |
| MAGI2 | NM_012301.4 |
| MAN1B1 | NM_016219.5 |
| MAN2B1 | NM_000528.4 |
| MAN2C1 | NM_006715.4 |
| MANBA | NM_005908.4 |
| MANF | NM_006010.6 |

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| | |
|----------|----------------|
| MAOA | NM_000240.4 |
| MAP1B | |
| MAP2K1 | NM_002755.4 |
| MAP2K2 | NM_030662.4 |
| MAP3K7 | |
| MAP4K4 | NM_145686.4 |
| MAPK1 | NM_002745.5 |
| MAPK8IP3 | NM_001040439.2 |
| MAPKAPK5 | NA |
| MASP1 | |
| MAST1 | NM_014975.3 |
| MAST3 | |
| MAST4 | |
| MAT1A | |
| MBD5 | NM_018328.5 |
| MBOAT7 | NM_024298.5 |
| MBTPS2 | NM_015884.4 |
| MCCC2 | |
| MCM3AP | |
| MCOLN1 | |
| MCPH1 | NM_024596.5 |
| MDH2 | |
| MECP2 | NM_004992.4 |
| MED11 | |
| MED12 | NM_005120.3 |
| MED12L | |
| MED13 | |
| MED13L | NM_015335.5 |
| MED17 | NM_004268.5 |
| MED23 | NM_015979.4 |
| MED25 | |
| MED27 | |
| MEF2C | NM_002397.5 |
| MEGF8 | NM_001410.3 |
| MEIS2 | NM_170674.5 |
| MESD | |
| MET | NM_001127500.3 |
| METTTL3 | |
| METTTL5 | NM_014168.4 |
| MFF | |
| MFSD2A | |
| MFSD8 | NM_152778.3 |
| MGAT2 | |

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MGME1
MIA3 NM_198551.4
MIB1 NM_020774.4
MICOS13
MICU1
MID1 NM_000381.4
MINPP1
MKKS NM_018848.3
MKS1 NM_017777.4
MLC1
MLYCD
MMAA
MMACHC NM_015506.3
MMADHC
MMUT NM_000255.4
MN1 NM_002430.3
MOCS1
MOCS2
MOGS
MORC2
MPC1
MPC2
MPDU1
MPDZ
MPLKIP
MPV17 NM_002437.5
MRAS NM_012219.4
MRE11
MRM2
MRPS22 NM_020191.4
MRPS34
MRTFB
MSL3 NM_001282174.1
MSMO1
MSTO1
MTFMT
MTHFR NM_005957.5
MTO1 NM_012123.4
MTOR
MTR NM_000254.3
MTRFR
MTRR
MTSS2 NM_138383.3

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| | |
|---------|----------------|
| MVK | NM_000431.4 |
| MYCBP2 | |
| MYCN | NM_005378.6 |
| MYH10 | |
| MYO5A | |
| MYT1L | NM_015025.4 |
| NAA10 | NM_003491.4 |
| NAA15 | NM_057175.5 |
| NAA20 | |
| NACC1 | |
| NAE1 | |
| NAGA | |
| NAGLU | NM_000263.4 |
| NALCN | |
| NANS | |
| NAPB | |
| NARS1 | NM_004539.4 |
| NARS2 | NM_024678.6 |
| NAXD | |
| NAXE | |
| NBEA | |
| NBN | NM_002485.5 |
| NCAPG2 | |
| NCDN | NM_001014839.2 |
| NCKAP1 | |
| NCOR1 | |
| NDE1 | NM_001143979.2 |
| NDP | |
| NDST1 | NM_001543.5 |
| NDUFA1 | NM_004541.4 |
| NDUFA11 | |
| NDUFA2 | |
| NDUFA6 | |
| NDUFAF2 | |
| NDUFAF3 | |
| NDUFAF4 | |
| NDUFAF5 | |
| NDUFAF6 | |
| NDUFAF8 | NM_001086521.2 |
| NDUFB3 | NM_002491.3 |
| NDUFB8 | |
| NDUFC2 | |
| NDUFS1 | |

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NDUFS2
 NDUFS3
 NDUFS4
 NDUFS7
 NDUFS8
 NDUFV1
 NDUFV2 NM_021074.5
 NEB NM_001271208.2
 NECAP1 NM_015509.4
 NECTIN1 NM_002855.5
 NEDD4L NM_015277.6
 NEMF
 NEU1 NM_000434.4
 NEURL4
 NEUROD2
 NEUROG1
 NEXMIF NM_001008537.3
 NF1 NM_000267.3
 NFASC
 NFIA
 NFIB NM_001190737.2
 NFIX NM_001271043.2
 NFU1
 NGFR NM_002507.4
 NGLY1
 NHLRC1 NM_198586.3
 NHLRC2
 NHS NM_198270.4
 NIPBL NM_133433.4
 NKAP NM_024528.4
 NKX2-1
 NKX6-2
 NLGN3 NM_018977.4
 NLGN4X NM_020742.4
 NLRP3 NM_004895.5
 NMNAT1
 NONO NM_001145408.2
 NOVA2
 NPC1 NM_000271.5
 NPC2 NM_006432.5
 NPHP1 NM_000272.5
 NPRL2
 NR2F1

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NR4A2
 NRAS NM_002524.5
 NRCAM
 NRROS
 NRXN1 NM_001135659.3
 NRXN2 NM_138732.3
 NSD1 NM_022455.5
 NSD2
 NSDHL NM_015922.3
 NSRP1
 NSUN2 NM_017755.6
 NT5C2
 NTNG1 NM_014917.4
 NTNG2 NM_032536.4
 NTRK1
 NTRK2 NM_006180.6
 NUBPL
 NUDT2
 NUP107 NM_020401.4
 NUP188 NM_015354.3
 NUP214
 NUS1
 OCLN NM_002538.4
 OCRL NM_000276.4
 ODC1
 OFD1 NM_003611.3
 OGDH
 OGDHL NM_018245.3
 OGT
 OPHN1 NM_002547.3
 ORC1
 OSGEP
 OTC NM_000531.6
 OTUD5
 OTUD6B
 OTX2 NM_172337.3
 OXR1 NM_001198534.1
 OXTR NM_000916.4
 P4HTM NM_177938.2
 PABPC1
 PACS1 NM_018026.4
 PACS2 NM_001100913.3
 PAFAH1B1 NM_000430.4

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| | |
|---------|----------------|
| PAH | NM_000277.3 |
| PAK1 | |
| PAK3 | NM_002578.5 |
| PAN2 | |
| PANK2 | |
| PARN | |
| PARP6 | |
| PARS2 | |
| PAX5 | NM_016734.3 |
| PAX6 | NM_000280.5 |
| PBX1 | NM_002585.4 |
| PC | NM_000920.4 |
| PCCA | NM_000282.4 |
| PCCB | NM_000532.5 |
| PCDH12 | |
| PCDH19 | NM_001184880.2 |
| PCDHGC4 | |
| PCGF2 | |
| PCLO | |
| PCNT | |
| PCYT2 | |
| PDE2A | |
| PDE4D | |
| PDE6D | NM_002601.4 |
| PDGFRB | |
| PDHA1 | NM_000284.4 |
| PDHX | NM_003477.3 |
| PDSS2 | NM_020381.4 |
| PDZD8 | |
| PEPD | |
| PET100 | NM_001171155.2 |
| PEX1 | NM_000466.3 |
| PEX10 | NM_153818.2 |
| PEX11B | NM_003846.3 |
| PEX12 | NM_000286.3 |
| PEX13 | NM_002618.4 |
| PEX16 | NM_004813.4 |
| PEX2 | NM_000318.3 |
| PEX26 | NM_017929.6 |
| PEX5 | NM_001131025.2 |
| PEX6 | NM_000287.4 |
| PEX7 | NM_000288.4 |
| PGAP1 | |

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| | |
|---------|----------------|
| PGAP2 | NM_001256240.2 |
| PGAP3 | NM_033419.5 |
| PGK1 | NM_000291.4 |
| PGM2L1 | NM_173582.6 |
| PGM3 | NM_001199917.2 |
| PHF21A | NM_001101802.3 |
| PHF6 | NM_032458.3 |
| PHF8 | NM_015107.3 |
| PHGDH | NM_006623.4 |
| PHIP | NM_017934.7 |
| PI4KA | |
| PIBF1 | |
| PIDD1 | |
| PIEZO2 | NM_022068.4 |
| PIGA | NM_002641.4 |
| PIGB | |
| PIGC | |
| PIGG | |
| PIGH | |
| PIGK | NM_005482.3 |
| PIGL | NM_004278.4 |
| PIGN | NM_176787.5 |
| PIGO | NM_032634.4 |
| PIGP | |
| PIGQ | |
| PIGS | |
| PIGT | NM_015937.6 |
| PIGU | |
| PIGV | NM_017837.4 |
| PIGW | |
| PIGY | |
| PIK3CA | NM_006218.4 |
| PIK3R1 | NM_181523.3 |
| PIK3R2 | NM_005027.4 |
| PIP5K1C | NM_012398.3 |
| PISD | |
| PITRM1 | |
| PLA2G6 | |
| PLAA | |
| PLCB1 | NM_015192.4 |
| PLCH1 | |
| PLEKHG2 | |
| PLK4 | |

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| | |
|----------|----------------|
| PLP1 | NM_000533.5 |
| PLPBP | |
| PLXNA1 | NM_032242.3 |
| PLXNA3 | NM_017514.5 |
| PMM2 | NM_000303.3 |
| PMPCA | |
| PMPCB | NM_004279.3 |
| PNKP | NM_007254.4 |
| PNPLA6 | NM_006702.5 |
| PNPO | NM_018129.4 |
| PNPT1 | |
| POGZ | NM_015100.4 |
| POLA1 | |
| POLG | NM_002693.3 |
| POLR1A | NM_015425.6 |
| POLR1C | |
| POLR2A | NM_000937.5 |
| POLR3A | |
| POLR3B | |
| POLRMT | |
| POMGNT1 | NM_017739.4 |
| POMGNT2 | |
| POMK | |
| POMT1 | NM_007171.4 |
| POMT2 | NM_013382.7 |
| POR | NM_000941.3 |
| PORCN | NM_203475.3 |
| POU1F1 | NM_000306.4 |
| POU3F2 | NM_005604.4 |
| POU3F3 | NM_006236.3 |
| POU4F1 | |
| PPFIA3 | |
| PPFIBP1 | NM_001198915.2 |
| PPM1D | |
| PPP1CB | NM_206876.2 |
| PPP1R12A | |
| PPP1R15B | NM_032833.5 |
| PPP1R21 | |
| PPP2CA | NM_002715.4 |
| PPP2R1A | |
| PPP2R5D | NM_006245.4 |
| PPP3CA | |
| PPT1 | NM_000310.4 |

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| | |
|----------|----------------|
| PQBP1 | NM_005710.2 |
| PRDM13 | |
| PRDM15 | |
| PREPL | |
| PRICKLE1 | NM_153026.3 |
| PRICKLE2 | |
| PRKACB | |
| PRKAR1B | |
| PRKCG | |
| PRKRA | NM_003690.5 |
| PRMT7 | NM_019023.5 |
| PRODH | NM_016335.6 |
| PROK2 | NM_001126128.2 |
| PROKR2 | NM_144773.4 |
| PRORP | |
| PROSER1 | |
| PRPF8 | |
| PRPS1 | NM_002764.4 |
| PRR12 | |
| PRRT2 | NM_145239.3 |
| PRSS12 | NM_003619.4 |
| PRUNE1 | |
| PSAP | NM_002778.4 |
| PSMC3 | NM_002804.5 |
| PSMD12 | |
| PSPH | |
| PTCH1 | |
| PTCHD1 | NM_173495.3 |
| PTDSS1 | |
| PTEN | NM_000314.8 |
| PTPA | |
| PTPN11 | NM_002834.5 |
| PTPN23 | |
| PTRH2 | |
| PTRHD1 | |
| PTS | NM_000317.3 |
| PUF60 | NM_078480.3 |
| PUM1 | |
| PURA | NM_005859.5 |
| PUS1 | NM_025215.6 |
| PUS3 | |
| PUS7 | |
| PYCR1 | |

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|  <small>LILLE INTEGRATED GENOMIC ADVANCED NETWORK</small> | List of genes | LIGAN/R4-EN-10 V4 |
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PYCR2
 QARS1 NM_005051.3
 QRICH1 NM_017730.4
 RAB11A
 RAB11B
 RAB18 NM_021252.5
 RAB23 NM_183227.3
 RAB27A
 RAB39B NM_171998.4
 RAB3GAP1 NM_012233.3
 RAB3GAP2 NM_012414.4
 RABGAP1
 RABL6
 RAC1
 RAC3
 RAD21 NM_006265.3
 RAF1 NM_002880.4
 RAI1 NM_030665.4
 RALA
 RALGAPA1 NM_014990.3
 RAP1B NM_015646.6
 RAP1GDS1
 RARB
 RARS1
 RARS2
 RASA1 NM_002890.3
 RBBP8 NM_002894.3
 RBL2
 RBM10 NM_005676.5
 RBM28
 RBPJ
 RCBTB1
 RELN NM_005045.4
 RERE NM_012102.4
 RFT1
 RFX3
 RFX4
 RFX7
 RGS6
 RHOBTB2
 RIC1
 RIMS1
 RIMS2 NM_014677.5

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| RIT1 | NM_006912.6 |
| RLIM | NM_183353.3 |
| RMND1 | NM_017909.4 |
| RNASEH2A | |
| RNASEH2B | |
| RNASEH2C | |
| RNASET2 | |
| RNF113A | |
| RNF125 | |
| RNF13 | |
| RNF135 | NM_032322.4 |
| RNF220 | |
| RNFT2 | |
| RNH1 | |
| RNPC3 | NM_017619.4 |
| ROBO1 | |
| ROGDI | |
| RORA | NM_134261.3 |
| RPGRIP1L | NM_015272.5 |
| RPL10 | NM_006013.5 |
| RPS6KA3 | NM_004586.3 |
| RRAGC | |
| RRAS | NM_006270.5 |
| RRAS2 | NM_012250.6 |
| RRM2B | NM_015713.5 |
| RSPRY1 | |
| RSRC1 | |
| RTEL1 | NM_032957.5 |
| RTN4IP1 | |
| RTTN | NM_173630.4 |
| RUSC2 | |
| SALL1 | NM_002968.3 |
| SAMD9 | |
| SAMHD1 | |
| SARS1 | |
| SASS6 | |
| SATB1 | NM_001195470.3 |
| SATB2 | NM_015265.4 |
| SBDS | NM_016038.4 |
| SC5D | NM_006918.5 |
| SCAF4 | NM_020706.2 |
| SCAMP5 | |
| SCAPER | |

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| SCARB2 | NM_005506.4 |
| SCN10A | NM_006514.4 |
| SCN1A | NM_001165963.4 |
| SCN1B | NM_001037.5 |
| SCN2A | NM_021007.3 |
| SCN3A | |
| SCN8A | NM_014191.4 |
| SCO2 | NM_005138.3 |
| SCUBE3 | NM_001303136.2 |
| SCYL1 | NM_020680.4 |
| SCYL2 | |
| SDCCAG8 | NM_006642.5 |
| SDHA | NM_004168.4 |
| SDHAF1 | |
| SDHB | NM_003000.3 |
| SDHD | NM_003002.4 |
| SEMA5A | NM_003966.3 |
| SEMA6B | |
| SEPSECS | |
| SERAC1 | NM_032861.4 |
| SET | NM_001122821.2 |
| SETBP1 | NM_015559.3 |
| SETD1A | NM_014712.3 |
| SETD1B | |
| SETD2 | NM_014159.7 |
| SETD5 | NM_001080517.3 |
| SFXN4 | |
| SGPL1 | |
| SGSH | NM_000199.5 |
| SHANK1 | NM_016148.5 |
| SHANK2 | NM_012309.5 |
| SHANK3 | NM_001372044.2 |
| SHH | NM_000193.4 |
| SHMT2 | |
| SHOC2 | NM_007373.4 |
| SHQ1 | |
| SIAH1 | |
| SIK1 | |
| SIL1 | |
| SIN3A | |
| SIN3B | NM_015260.4 |
| SIX3 | |
| SKI | NM_003036.4 |

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SLC12A2
 SLC12A5
 SLC12A6
 SLC13A5 NM_177550.5
 SLC16A2 NM_006517.5
 SLC17A5 NM_012434.5
 SLC18A2
 SLC1A1 NM_004170.6
 SLC1A2
 SLC1A4
 SLC25A1 NM_005984.5
 SLC25A12
 SLC25A13 NM_014251.3
 SLC25A15 NM_014252.4
 SLC25A19
 SLC25A22 NM_024698.6
 SLC25A42
 SLC2A1 NM_006516.4
 SLC30A7
 SLC30A9
 SLC32A1
 SLC33A1
 SLC35A2 NM_001042498.3
 SLC35A3 NM_012243.3
 SLC35B2
 SLC35C1 NM_018389.5
 SLC38A3
 SLC39A8
 SLC44A1
 SLC45A1 NM_001080397.3
 SLC46A1 NM_080669.6
 SLC4A4 NM_003759.4
 SLC5A7
 SLC6A1 NM_003042.4
 SLC6A17
 SLC6A19 NM_001003841.3
 SLC6A3
 SLC6A4 NM_001045.6
 SLC6A8 NM_005629.4
 SLC6A9
 SLC9A6 NM_006359.3
 SLC9A7
 SLF2

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SLITRK2
 SMAD4 NM_005359.6
 SMAD6 NM_005585.5
 SMARCA2 NM_003070.5
 SMARCA4 NM_001128849.3
 SMARCA5 NM_003601.4
 SMARCB1 NM_003073.5
 SMARCC2 NM_003075.5
 SMARCD1
 SMARCE1 NM_003079.5
 SMC1A NM_006306.4
 SMC3 NM_005445.4
 SMC5
 SMG8 NM_018149.7
 SMG9
 SMO NM_005631.5
 SMOC1 NM_001034852.3
 SMPD1 NM_000543.5
 SMPD4 NM_017951.4
 SMS NM_004595.5
 SNAP25 NM_003081.5
 SNAP29
 SNAPC4
 SNIP1
 SNRPB
 SNX14
 SNX27
 SOBP NM_018013.4
 SON NM_032195.3
 SOS1 NM_005633.4
 SOS2 NM_006939.4
 SOX10 NM_006941.4
 SOX11 NM_003108.4
 SOX2 NM_003106.4
 SOX3 NM_005634.3
 SOX4
 SOX5 NM_006940.6
 SOX6 NM_033326.3
 SPART
 SPATA5
 SPATA5L1
 SPECC1L NM_015330.6
 SPEN NM_015001.3

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SPG11
 SPOP
 SPR
 SPRED1 NM_152594.3
 SPRED2 NM_181784.3
 SPTAN1 NM_001130438.3
 SPTBN1
 SPTBN2
 SPTBN4
 SQSTM1
 SRCAP NM_006662.3
 SRD5A3 NM_024592.5
 SRGAP3 NM_014850.4
 SRP54
 SRRM2
 SRSF1 NM_006924.5
 ST3GAL3 NM_006279.5
 ST3GAL5 NM_003896.4
 STAG1 NM_005862.3
 STAG2 NM_001042749.2
 STAMBP NM_006463.6
 STEEP1
 STIL NM_003035.2
 STIM1
 STRA6 NM_022369.4
 STRADA NM_001003787.4
 STT3A NM_001278503.2
 STUB1 NM_005861.4
 STX16 NM_001001433.3
 STX1A NM_004603.4
 STX1B NM_052874.5
 STXBP1 NM_003165.6
 SUCLA2 NM_003850.3
 SUFU
 SUOX
 SUPT16H
 SUPV3L1
 SURF1
 SUZ12
 SVBP
 SYN1 NM_133499.2
 SYNCRIP
 SYNE1 NM_033071.4

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| SYNGAP1 | NM_006772.3 |
| SYNJ1 | NM_003895.3 |
| SYP | NM_003179.3 |
| SYT1 | |
| SZT2 | NM_015284.4 |
| TAB2 | NM_015093.6 |
| TACO1 | NM_016360.4 |
| TAF1 | NM_004606.5 |
| TAF13 | |
| TAF2 | |
| TAF4 | |
| TAF6 | |
| TAF8 | |
| TANC2 | |
| TANGO2 | |
| TAOK1 | NM_020791.4 |
| TAOK2 | NM_016151.4 |
| TARS2 | |
| TASP1 | |
| TAT | |
| TBC1D20 | NM_144628.4 |
| TBC1D23 | |
| TBC1D24 | NM_001199107.2 |
| TBC1D2B | |
| TBC1D7 | |
| TBCD | |
| TBCE | NM_003193.5 |
| TBCK | |
| TBL1XR1 | NM_024665.7 |
| TBR1 | NM_006593.4 |
| TBX1 | NM_080647.1 |
| TBX2 | |
| TBX3 | NM_005996.4 |
| TCEAL1 | |
| TCF12 | |
| TCF20 | NM_005650.4 |
| TCF4 | NM_001083962.2 |
| TCF7L2 | |
| TCTN2 | NM_024809.5 |
| TDP2 | |
| TECPR2 | |
| TECR | NM_138501.6 |
| TELO2 | |

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| TET2 | NM_001127208.3 |
| TET3 | |
| TFE3 | |
| TGIF1 | |
| TH | |
| THG1L | |
| THOC2 | |
| THOC6 | NM_024339.5 |
| THRA | NM_199334.5 |
| THRB | |
| THUMPD1 | |
| TIAM1 | |
| TIMM50 | |
| TIMM8A | NM_004085.4 |
| TIMMDC1 | |
| TKFC | |
| TKT | NM_001135055.3 |
| TLK2 | NM_006852.6 |
| TM4SF20 | |
| TMCO1 | NM_019026.6 |
| TMEM106B | |
| TMEM107 | NM_032354.5 |
| TMEM147 | NM_032635.4 |
| TMEM163 | |
| TMEM165 | |
| TMEM216 | NM_001173990.3 |
| TMEM218 | |
| TMEM222 | |
| TMEM231 | NM_001077416.2 |
| TMEM237 | NM_001044385.3 |
| TMEM240 | |
| TMEM63A | |
| TMEM63B | |
| TMEM63C | |
| TMEM67 | NM_153704.6 |
| TMEM70 | NM_017866.6 |
| TMEM94 | NM_014738.6 |
| TMLHE | NM_018196.4 |
| TMTC3 | |
| TMX2 | NM_015959.4 |
| TNIK | |
| TNK2 | NM_001010938.2 |
| TNPO2 | NM_001136196.2 |

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TNR
 TNRC6B
 TOE1
 TOGARAM1
 TOP3A
 TOR1A
 TOR1AIP1 NM_001267578.2
 TP53RK
 TP73
 TPI1
 TPK1
 TPP1 NM_000391.4
 TPP2
 TPRKB
 TRA2B
 TRAF7 NM_032271.3
 TRAIP NM_005879.3
 TRAK1
 TRAPPC10
 TRAPPC11
 TRAPPC12
 TRAPPC2L
 TRAPPC4
 TRAPPC6B
 TRAPPC9 NM_031466.8
 TREX1 NM_033629.6
 TRIM32 NM_012210.4
 TRIM8 NM_030912.3
 TRIO NM_007118.4
 TRIP12 NM_004238.3
 TRIT1
 TRMT1
 TRMT10A NM_152292.5
 TRMT5 NM_020810.3
 TRNT1 NM_182916.3
 TRPC5 NM_012471.3
 TRPM3
 TRRAP NM_003496.4
 TSC1 NM_000368.5
 TSC2 NM_000548.5
 TSEN15
 TSEN2
 TSEN54

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| TSFM | NM_001172696.2 |
| TSPAN7 | NM_004615.4 |
| TSPOAP1 | |
| TTC37 | NM_014639.4 |
| TTC5 | |
| TTC8 | NM_198309.3 |
| TTI1 | |
| TTI2 | |
| TUBA1A | NM_006009.4 |
| TUBB | |
| TUBB2A | |
| TUBB2B | NM_178012.5 |
| TUBB3 | |
| TUBB4A | |
| TUBG1 | |
| TUBGCP2 | NM_001256617.2 |
| TUBGCP4 | |
| TUBGCP6 | |
| TUSC3 | NM_006765.4 |
| TWIST1 | NM_000474.4 |
| TWIST2 | NM_057179.3 |
| TWNK | NM_021830.5 |
| UBA2 | |
| UBA5 | |
| UBAP2L | |
| UBE2A | NM_003336.4 |
| UBE3A | NM_130838.4 |
| UBE3B | NM_130466.4 |
| UBE3C | |
| UBE4A | NM_004788.4 |
| UBR1 | NM_174916.3 |
| UBR7 | |
| UBTF | |
| UFC1 | |
| UFM1 | |
| UFSP2 | |
| UGDH | |
| UGP2 | |
| UNC45A | |
| UNC79 | |
| UNC80 | |
| UPB1 | NM_016327.3 |
| UPF3B | NM_080632.3 |

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|---------|----------------|
| UQCC2 | NM_032340.4 |
| UQCRFS1 | NM_006003.3 |
| UROC1 | NM_144639.3 |
| USP27X | NM_001145073.3 |
| USP7 | |
| USP9X | NM_001039590.3 |
| VAC14 | |
| VAMP2 | |
| VAR1 | |
| VAR2 | |
| VCP | NM_007126.5 |
| VLDLR | NM_003383.5 |
| VPS11 | |
| VPS13B | NM_017890.5 |
| VPS13D | |
| VPS16 | |
| VPS35L | |
| VPS37A | |
| VPS41 | |
| VPS4A | NM_013245.3 |
| VPS53 | |
| VRK1 | |
| WAC | NM_016628.5 |
| WARS1 | |
| WARS2 | |
| WASF1 | NM_003931.3 |
| WASHC4 | |
| WASHC5 | |
| WDFY3 | |
| WDPCP | NM_015910.7 |
| WDR11 | NM_018117.12 |
| WDR26 | |
| WDR37 | NM_014023.4 |
| WDR4 | |
| WDR45 | NM_007075.4 |
| WDR45B | NM_019613.4 |
| WDR5 | |
| WDR62 | NM_001083961.2 |
| WDR73 | NM_032856.5 |
| WDR81 | |
| WIPI2 | |
| WNK3 | NM_020922.5 |
| WNT1 | |

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|---------|----------------|
| WWOX | NM_016373.4 |
| XPA | |
| XRCC4 | NM_022406.5 |
| XYLT1 | |
| YAP1 | NM_001130145.3 |
| YARS1 | |
| YIF1B | |
| YIPF5 | NM_001024947.4 |
| YWHAE | NM_006761.5 |
| YWHAG | |
| YY1 | |
| ZBTB11 | |
| ZBTB18 | NM_205768.3 |
| ZBTB20 | NM_001164342.2 |
| ZBTB24 | |
| ZBTB7A | |
| ZC3H14 | NM_024824.5 |
| ZC4H2 | NM_018684.4 |
| ZDHHC15 | NM_144969.3 |
| ZDHHC9 | NM_016032.4 |
| ZEB2 | NM_014795.4 |
| ZFHX4 | NM_024721.5 |
| ZFYVE26 | |
| ZIC1 | |
| ZIC2 | |
| ZMIZ1 | NM_020338.4 |
| ZMYM2 | NM_003453.6 |
| ZMYM3 | NM_201599.3 |
| ZMYND11 | NM_006624.7 |
| ZMYND8 | |
| ZNF142 | |
| ZNF148 | |
| ZNF292 | NM_015021.3 |
| ZNF335 | |
| ZNF407 | |
| ZNF462 | |
| ZNF526 | NM_133444.3 |
| ZNF699 | |
| ZNF711 | NM_021998.5 |
| ZNF81 | NM_007137.5 |
| ZNHIT3 | |
| ZSWIM6 | |