

MicroRNA-26b-5p Inhibits Mouse Liver Fibrogenesis and Angiogenesis by Targeting PDGF Receptor-beta

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Supplementary table 2. The preliminary probe signal values of coding genes by microarray analysis in TGF- β 1-treated BMSCs with or without miR-26b-5p mimics

| Probe Set ID | Gene Symbol | Control mimics | | | miR-26b-5p mimics | | |
|-------------------|--------------------|----------------|-----------|-----------|-------------------|-----------|-----------|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| TC150000300.mm.1 | Cthrc1 | 4090.91 | 4093.06 | 3812.53 | 1231.72 | 1229.18 | 1240.54 |
| TC0200004309.mm.1 | Fibin | 103.45 | 108.05 | 104.45 | 44.27 | 43.07 | 44.92 |
| TC0400002812.mm.1 | Tnc | 128077.50 | 130825.50 | 124266.10 | 50032.72 | 47542.00 | 50120.11 |
| TC0100002266.mm.1 | Uxs1 | 516.98 | 514.46 | 502.86 | 314.90 | 312.60 | 307.37 |
| TC0600002553.mm.1 | Sema4f | 38.49 | 38.52 | 38.22 | 24.91 | 24.70 | 24.00 |
| TC0600002487.mm.1 | Vamp5 | 534.22 | 524.22 | 530.17 | 388.50 | 398.94 | 390.24 |
| TC0X00001271.mm.1 | Srpx2 | 27591.62 | 28517.91 | 26865.28 | 10383.21 | 9986.66 | 11037.69 |
| TC0900001175.mm.1 | Plod2 | 5763.61 | 5831.73 | 5318.29 | 1594.69 | 1765.21 | 1737.97 |
| TC0300000710.mm.1 | Crabp2 | 1948.52 | 1904.05 | 1729.05 | 465.29 | 519.46 | 485.05 |
| TC1300002143.mm.1 | Ctla2a | 313.22 | 297.50 | 313.29 | 142.73 | 151.85 | 141.85 |
| TC0800002113.mm.1 | Mtus1 | 83.91 | 84.36 | 81.89 | 55.27 | 54.72 | 57.05 |
| TC1300002564.mm.1 | Mast4 | 68.20 | 68.02 | 66.38 | 51.59 | 51.04 | 50.40 |
| TC0800001480.mm.1 | Gm22 | 4427.76 | 4105.78 | 4072.15 | 1283.83 | 1451.41 | 1383.08 |
| TC1700001484.mm.1 | Thbs2 | 91825.34 | 92438.75 | 85682.51 | 30733.92 | 29060.50 | 32923.16 |
| TC0900002735.mm.1 | Col12a1 | 18779.30 | 19951.68 | 18074.78 | 8166.34 | 7707.84 | 8175.93 |
| TC1800001193.mm.1 | Hbegf | 105.24 | 103.90 | 100.56 | 51.27 | 53.11 | 55.58 |
| TC1000001895.mm.1 | Enpp3 | 130.30 | 117.36 | 126.62 | 58.07 | 56.29 | 57.04 |
| TC0300003041.mm.1 | Bmpr1b | 95.64 | 92.28 | 98.18 | 49.05 | 50.68 | 52.45 |
| TC0900002254.mm.1 | Ncam1 | 1018.66 | 1056.63 | 938.02 | 289.06 | 267.91 | 306.78 |
| TC0800001121.mm.1 | Ccl17 | 1684.17 | 1645.80 | 1678.67 | 408.94 | 438.11 | 494.93 |
| TC0800002447.mm.1 | Cyp4f18 | 36.51 | 35.60 | 35.58 | 20.82 | 19.87 | 21.42 |
| TC0100000064.mm.1 | Sulf1 | 7919.29 | 7927.90 | 7423.10 | 2723.62 | 2624.05 | 2990.33 |
| TC1300002460.mm.1 | F2rl1 | 28.28 | 27.41 | 26.29 | 15.92 | 16.21 | 16.47 |
| TC0700003437.mm.1 | Aldh1a3 | 295.16 | 265.41 | 264.53 | 100.77 | 105.45 | 109.52 |
| TC0200004133.mm.1 | Creb3l1 | 6793.36 | 6150.19 | 6096.24 | 2844.90 | 2790.12 | 2695.67 |
| TC0200004525.mm.1 | Fbn1 | 21423.53 | 22628.03 | 20712.25 | 10014.86 | 9604.35 | 10462.48 |
| TC1600000553.mm.1 | Cd80 | 2050.93 | 2140.06 | 2013.10 | 1080.20 | 1018.51 | 1107.75 |
| TC0300001173.mm.1 | Col11a1 | 123.76 | 134.72 | 122.26 | 60.89 | 58.56 | 56.92 |
| TC1300002079.mm.1 | Cxcl14 | 17150.01 | 14873.23 | 17004.40 | 5469.98 | 5491.03 | 5836.29 |
| TC0600002089.mm.1 | Creb3l2 | 1426.86 | 1443.59 | 1339.00 | 750.13 | 737.26 | 782.58 |
| TC1700000168.mm.1 | Smoc2 | 639.54 | 588.19 | 554.73 | 213.52 | 226.04 | 230.74 |
| TC0100001338.mm.1 | Ptgs2 | 64190.78 | 64012.60 | 56967.92 | 16961.35 | 16595.86 | 19301.96 |
| TC0100003240.mm.1 | Prg4 | 697.94 | 642.85 | 658.23 | 188.32 | 168.90 | 205.83 |
| TC0800000286.mm.1 | Plat | 504.32 | 504.26 | 457.45 | 163.05 | 174.39 | 186.61 |
| TC1500000676.mm.1 | Kdelr3 | 16995.82 | 17600.57 | 16572.20 | 7989.62 | 7305.99 | 8201.86 |
| TC0700004431.mm.1 | Adam12 | 424.78 | 412.15 | 383.42 | 195.58 | 193.76 | 206.91 |
| TC1000001894.mm.1 | Enpp1 | 9468.10 | 9274.72 | 8690.00 | 3887.84 | 3428.64 | 3845.89 |
| TC0400001990.mm.1 | Errfi1 | 1291.72 | 1300.56 | 1178.41 | 651.47 | 617.26 | 645.59 |
| TC1200000142.mm.1 | Odc1 | 1762.39 | 1728.13 | 1657.79 | 1114.66 | 1120.59 | 1161.05 |
| TC0500001732.mm.1 | Kdelr2 | 342948.90 | 331388.80 | 335565.20 | 203443.90 | 216513.60 | 218673.80 |
| TC1300002392.mm.1 | Vcan | 1109.47 | 1238.32 | 1099.05 | 380.97 | 348.51 | 408.95 |
| TC1000000817.mm.1 | Fstl3 | 189.28 | 175.96 | 165.94 | 85.81 | 81.82 | 84.61 |
| TC1200001500.mm.1 | Gm20472; Gm4425 | 61.60 | 63.14 | 64.28 | 49.74 | 49.29 | 48.76 |
| TC0900001254.mm.1 | Dzip1l | 90.07 | 88.45 | 87.50 | 66.21 | 62.69 | 63.98 |
| TC0100001112.mm.1 | Gpr39 | 87.42 | 79.83 | 81.52 | 50.26 | 49.04 | 50.22 |
| TC0900001236.mm.1 | Copb2 | 3743.67 | 3480.88 | 3481.15 | 2297.58 | 2271.64 | 2316.71 |
| TC1600001655.mm.1 | Cd200 | 1443.65 | 1338.64 | 1259.01 | 466.54 | 429.06 | 503.35 |
| TC0700004593.mm.1 | Tnfrsf23 | 3333.94 | 3655.37 | 3433.14 | 1420.27 | 1452.02 | 1616.50 |
| TC1000000508.mm.1 | Fabp7 | 1631.36 | 1700.46 | 1584.45 | 825.04 | 915.72 | 861.85 |
| TC0600000711.mm.1 | Abcg2 | 219.40 | 215.99 | 198.99 | 120.63 | 122.56 | 117.71 |
| TC0300001482.mm.1 | Ddah1 | 53946.30 | 54835.57 | 48588.68 | 24375.40 | 26080.29 | 24958.60 |
| TC0900001846.mm.1 | Col5a3 | 56.11 | 59.84 | 57.19 | 34.30 | 36.85 | 35.26 |
| TC0X00002676.mm.1 | Vsig4 | 5781.56 | 5668.73 | 4855.90 | 1644.44 | 1450.27 | 1385.16 |
| TC1000001027.mm.1 | Tmem263 | 298.88 | 287.23 | 277.27 | 136.44 | 135.29 | 151.20 |
| TC1300002287.mm.1 | Adamts16 | 53.89 | 51.60 | 49.21 | 28.46 | 30.21 | 28.18 |
| TC1000003163.mm.1 | Tmem198b | 387.67 | 372.43 | 352.10 | 227.88 | 222.66 | 229.29 |
| TC1600001752.mm.1 | Tmem45a | 835.76 | 823.26 | 883.56 | 434.63 | 388.41 | 384.86 |
| TC0900000285.mm.1 | Arhgap32 | 46.87 | 45.82 | 45.63 | 34.07 | 35.65 | 35.42 |
| TC1400002723.mm.1 | Uggt2 | 119.53 | 121.34 | 112.12 | 71.55 | 70.46 | 74.46 |
| TC0400003629.mm.1 | Serinc2 | 420.54 | 392.72 | 356.65 | 159.09 | 170.53 | 162.44 |
| TC1600001395.mm.1 | Masp1 | 762.91 | 718.25 | 666.08 | 365.08 | 354.67 | 369.88 |
| TC0600003412.mm.1 | Bcat1 | 365.91 | 342.47 | 340.11 | 201.43 | 182.90 | 192.94 |
| TC1900000725.mm.1 | Sfr1 | 13292.05 | 13644.59 | 13299.10 | 8762.40 | 9402.55 | 9282.85 |
| TC0X00000065.mm.1 | Praf2 | 8901.72 | 8816.79 | 8179.66 | 5161.67 | 5312.60 | 5010.31 |

| | | | | | | | |
|-------------------|---------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| TC0X00003038.mm.1 | Morf4l2 | 309.87 | 309.31 | 300.60 | 241.66 | 233.55 | 242.11 |
| TC1200000253.mm.1 | Pxdn | 1100.84 | 1016.85 | 951.74 | 404.04 | 394.38 | 444.51 |
| TC0600000124.mm.1 | Tes | 247.89 | 266.37 | 253.17 | 178.47 | 174.00 | 173.04 |
| TC0100001218.mm.1 | Fmod | 10201.62 | 9975.40 | 9238.85 | 5761.09 | 5472.83 | 5420.30 |
| TC1000001284.mm.1 | Csrp2 | 4639.46 | 4786.05 | 4255.64 | 1345.65 | 1449.99 | 1658.08 |
| TC0100001234.mm.1 | Kdm5b | 186.13 | 185.24 | 182.51 | 125.28 | 114.26 | 119.15 |
| TC0400003475.mm.1 | Mfsd2a | 108.86 | 109.65 | 102.87 | 72.93 | 73.89 | 75.78 |
| TC0100002544.mm.1 | Fn1 | 407862.70 | 408064.40 | 402772.60 | 312748.70 | 293920.30 | 304051.60 |
| TC0100002736.mm.1 | Htr2b | 639.36 | 567.68 | 527.20 | 178.30 | 173.22 | 201.41 |
| TC0400000893.mm.1 | Gm13285; Gm13290; Gm13289 | 30.37 | 31.71 | 31.84 | 23.74 | 22.95 | 23.64 |
| TC0500000173.mm.1 | Lrrc17 | 190.11 | 176.95 | 165.79 | 61.35 | 52.88 | 64.38 |
| TC1200001813.mm.1 | Sec23a | 7009.01 | 7384.85 | 6343.51 | 2881.80 | 2842.28 | 3153.21 |
| TC0400002962.mm.1 | Bnc2 | 284.30 | 294.09 | 264.21 | 121.13 | 111.49 | 130.32 |
| TC1300002426.mm.1 | Thbs4 | 1842.60 | 1663.65 | 1617.01 | 837.26 | 797.41 | 868.82 |
| TC0300000627.mm.1 | Fam198b | 2723.02 | 2829.93 | 2436.22 | 1238.58 | 1150.57 | 1244.59 |
| TC1500000086.mm.1 | C1qtnf3 | 770.52 | 689.47 | 612.75 | 184.14 | 164.59 | 200.47 |
| TC0700001252.mm.1 | Nox4 | 120.37 | 122.57 | 111.32 | 62.07 | 55.85 | 61.60 |
| TC1600001070.mm.1 | Kcnj15 | 264.68 | 248.76 | 235.89 | 120.10 | 108.94 | 123.42 |
| TC0600000010.mm.1 | Col1a2 | 41996.37 | 44577.20 | 39308.51 | 16549.15 | 15032.70 | 17937.17 |
| TC0200004511.mm.1 | Gatm | 97554.91 | 102259.30 | 88909.51 | 42744.93 | 39539.91 | 44825.32 |
| TC0300003225.mm.1 | Sirpb1a | 767.31 | 849.51 | 712.05 | 311.99 | 314.56 | 341.75 |
| TC0100002356.mm.1 | Rftn2 | 134.46 | 131.38 | 119.44 | 72.62 | 69.41 | 72.63 |
| TC1500001548.mm.1 | Has2 | 739.80 | 879.57 | 866.97 | 290.25 | 304.11 | 329.71 |
| TC1200001549.mm.1 | Rnf144a | 64.79 | 65.95 | 63.20 | 46.41 | 47.16 | 49.16 |
| TC1100000526.mm.1 | Gfpt2 | 349.43 | 353.61 | 307.46 | 165.37 | 152.51 | 162.86 |
| TC1800000029.mm.1 | Zeb1 | 730.93 | 719.40 | 641.94 | 369.14 | 359.35 | 379.63 |
| TC0900002396.mm.1 | Cd276 | 1505.68 | 1471.09 | 1364.77 | 941.86 | 916.99 | 924.45 |
| TC0200002067.mm.1 | Plcb4 | 86.69 | 88.31 | 89.14 | 65.01 | 62.16 | 66.51 |
| TC1900001527.mm.1 | Loxl4 | 98.68 | 95.36 | 87.14 | 54.00 | 51.53 | 51.39 |
| TC1600001764.mm.1 | Col8a1 | 1198.01 | 1216.22 | 1099.39 | 530.40 | 507.13 | 587.45 |
| TC0400000736.mm.1 | Pappa | 5203.13 | 5461.28 | 4689.83 | 1437.86 | 1336.85 | 1715.09 |
| TC1000000246.mm.1 | Ptprk | 185.11 | 186.24 | 173.76 | 97.31 | 94.37 | 106.49 |
| TC1800001479.mm.1 | Ccbe1 | 83.18 | 80.03 | 72.99 | 44.21 | 45.52 | 44.12 |
| TC0500001327.mm.1 | Tbx3 | 47.53 | 45.59 | 47.62 | 36.71 | 37.52 | 37.64 |
| TC0300002295.mm.1 | Bcan | 38.01 | 36.98 | 35.98 | 28.19 | 27.28 | 28.38 |
| TC1500001835.mm.1 | C1qtnf6 | 256.69 | 250.09 | 225.67 | 101.36 | 96.53 | 113.10 |
| TC0100003754.mm.1 | Tgfb2 | 6044.47 | 5782.24 | 5440.03 | 2294.20 | 1809.62 | 1980.98 |
| TC1100001448.mm.1 | Col1a1 | 142831.90 | 146443.30 | 138341.80 | 71931.80 | 68046.87 | 79487.30 |
| TC0300002173.mm.1 | Golim4 | 471.51 | 491.59 | 473.49 | 281.94 | 299.79 | 314.47 |
| TC0500003694.mm.1 | Stard13 | 142.28 | 146.52 | 137.55 | 77.82 | 77.98 | 86.96 |
| TC0900000226.mm.1 | Bmper | 149.54 | 155.03 | 147.67 | 83.42 | 74.03 | 84.91 |
| TC1200002082.mm.1 | Ltbp2 | 3927.70 | 3788.79 | 3258.76 | 1134.86 | 986.92 | 1234.12 |
| TC0800000483.mm.1 | Pdgfrl | 223.16 | 221.03 | 189.61 | 102.95 | 102.18 | 101.17 |
| TC1500000395.mm.1 | Col14a1 | 167.31 | 180.41 | 162.15 | 102.25 | 103.92 | 107.90 |
| TC0600003002.mm.1 | Zfp9 | 229.81 | 236.39 | 233.06 | 110.48 | 94.07 | 113.01 |
| TC0X00003066.mm.1 | Morc4 | 104.16 | 108.22 | 98.59 | 70.79 | 70.45 | 71.96 |
| TC0600001384.mm.1 | Mfap5 | 73475.43 | 73970.75 | 68403.70 | 34203.48 | 37112.41 | 39656.89 |
| TC0800000321.mm.1 | Fgfr1 | 1177.44 | 1174.79 | 1033.14 | 571.66 | 544.57 | 596.81 |
| TC0900000720.mm.1 | Sema7a | 1455.65 | 1293.63 | 1165.09 | 396.26 | 336.67 | 418.02 |
| TC1600000760.mm.1 | Dcbld2 | 627.00 | 614.82 | 596.37 | 351.03 | 321.95 | 369.37 |
| TC0600001653.mm.1 | Plekha5 | 80.10 | 77.08 | 74.42 | 51.71 | 52.79 | 55.01 |
| TC0500000842.mm.1 | Pbbp | 426.09 | 411.84 | 368.77 | 118.71 | 93.15 | 122.42 |
| TC1400000976.mm.1 | Loxl2; Mir6950; Gm21451 | 6157.94 | 5989.28 | 5225.57 | 2221.93 | 2245.98 | 2559.61 |
| TC0700002477.mm.1 | Fosb | 54.97 | 53.46 | 56.11 | 37.09 | 40.11 | 38.39 |
| TC1600000536.mm.1 | Fstl1 | 21750.00 | 22496.39 | 21310.10 | 11407.84 | 11914.93 | 13135.35 |
| TC0900002541.mm.1 | Tpm1 | 4195.03 | 4078.09 | 3893.93 | 2285.87 | 2122.80 | 2422.08 |
| TC0600000914.mm.1 | Loxl3 | 10240.40 | 10395.13 | 8638.36 | 4117.95 | 3905.65 | 4300.69 |
| TC0700002495.mm.1 | Apoc2; Apoc4 | 61.80 | 63.84 | 61.49 | 44.27 | 40.50 | 43.17 |
| TC1300002540.mm.1 | Cdk7 | 329.10 | 342.15 | 314.92 | 232.88 | 232.26 | 223.62 |
| TC0500003722.mm.1 | Medag | 248.06 | 242.02 | 202.25 | 79.75 | 79.61 | 90.70 |
| TC0700003804.mm.1 | Slco2b1 | 173.99 | 163.96 | 152.62 | 98.40 | 96.60 | 99.43 |
| TC0800001599.mm.1 | Itgb1 | 31294.19 | 29423.88 | 29012.91 | 19717.47 | 19184.03 | 20622.34 |
| TC0300003226.mm.1 | Gm5150 | 389.30 | 338.77 | 367.54 | 201.78 | 213.22 | 202.62 |
| TC0600001029.mm.1 | Gata2 | 80.32 | 82.68 | 76.58 | 57.75 | 59.02 | 59.29 |
| TC0X00000218.mm.1 | Timp1 | 222235.30 | 205616.90 | 214167.50 | 145522.30 | 133826.70 | 139971.00 |
| TC0200000478.mm.1 | Col5a1 | 470.58 | 450.42 | 408.02 | 193.05 | 159.45 | 182.45 |
| TC0100001373.mm.1 | Nmnat2 | 73.34 | 73.42 | 76.47 | 53.59 | 56.13 | 56.89 |
| TC0600002574.mm.1 | Actg2 | 88376.29 | 82114.52 | 81484.15 | 57955.10 | 55134.24 | 54549.74 |
| TC0200005291.mm.1 | Pmepa1 | 7280.56 | 6823.37 | 6663.46 | 2999.79 | 2439.94 | 2951.45 |
| TC0100000343.mm.1 | Col3a1 | 4364.70 | 4774.14 | 3941.62 | 1211.84 | 949.93 | 1269.71 |

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|-------------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| TC020000603.mm.1 | Angptl2 | 1158.87 | 1086.70 | 1094.49 | 636.24 | 562.76 | 641.68 |
| TC1400002785.mm.1 | Gm2897; Gm3005 | 71.20 | 70.86 | 68.36 | 56.43 | 54.98 | 57.24 |
| TC1100003345.mm.1 | Myo1d | 1082.30 | 1158.71 | 1019.44 | 595.73 | 618.51 | 649.01 |
| TC0200003689.mm.1 | Stk39 | 144.09 | 143.86 | 132.08 | 97.66 | 98.05 | 97.26 |
| TC0100001692.mm.1 | Kif26b | 173.07 | 168.29 | 162.25 | 96.45 | 82.22 | 91.09 |
| TC0900003204.mm.1 | Rbms3 | 369.50 | 372.93 | 328.38 | 199.64 | 198.67 | 211.12 |
| TC1300000273.mm.1 | Cmah | 204.96 | 226.42 | 188.93 | 102.27 | 104.01 | 107.93 |
| TC1900001266.mm.1 | Mamdc2 | 467.33 | 442.21 | 398.72 | 169.68 | 148.48 | 183.70 |
| TC0800000588.mm.1 | Asb5 | 53.80 | 48.51 | 50.91 | 33.08 | 34.25 | 34.65 |
| TC0700004288.mm.1 | Nupr1 | 4411.94 | 4378.86 | 4476.51 | 2977.83 | 3029.03 | 3266.41 |
| TC0700004403.mm.1 | Cpxm2 | 888.28 | 885.44 | 772.00 | 309.68 | 310.84 | 373.69 |
| TC1200002103.mm.1 | Tgfb3 | 29174.87 | 29770.60 | 26897.07 | 11708.85 | 10118.58 | 12787.35 |
| TC1500002162.mm.1 | Col2a1 | 92.91 | 93.57 | 89.52 | 66.19 | 62.68 | 68.05 |
| TC1100003688.mm.1 | Nr1d1 | 600.35 | 566.56 | 514.49 | 314.25 | 301.01 | 318.85 |
| TC0500001912.mm.1 | Steap2 | 199.46 | 205.70 | 195.45 | 120.56 | 124.39 | 135.41 |
| TC1200001990.mm.1 | Actn1 | 29283.57 | 28354.02 | 26264.23 | 18732.05 | 18800.25 | 18995.62 |
| TC1300000691.mm.1 | Tgfb1 | 37815.79 | 35861.73 | 35572.34 | 21686.48 | 23022.38 | 24302.08 |
| TC1400000368.mm.1 | Anxa8 | 5775.57 | 5391.04 | 4662.53 | 1812.09 | 1488.44 | 1843.26 |
| TC1300000113.mm.1 | Inhba | 2422.97 | 2062.44 | 2144.62 | 857.20 | 935.20 | 1025.97 |
| TC0300001674.mm.1 | Sirpb1a; Sirpb1b | 461.11 | 394.35 | 383.77 | 192.72 | 190.60 | 205.15 |
| TC1200000069.mm.1 | Sdc1 | 133.09 | 128.98 | 121.93 | 90.42 | 86.47 | 90.79 |
| TC0500000387.mm.1 | Rgs12 | 57.44 | 54.91 | 53.25 | 39.97 | 40.84 | 41.67 |
| TC0200000651.mm.1 | Ptgs1 | 159.40 | 153.32 | 139.10 | 88.44 | 80.88 | 84.41 |
| TC0300000408.mm.1 | Postn | 70892.34 | 70066.14 | 68046.42 | 29157.92 | 23044.96 | 29137.50 |
| TC0900000824.mm.1 | Dennd4a | 906.32 | 883.81 | 815.58 | 427.86 | 385.99 | 459.76 |
| TC0100002833.mm.1 | Hdlbp | 31294.85 | 32102.27 | 30678.02 | 20743.23 | 18945.14 | 21158.59 |
| TC0X00000051.mm.1 | Shroom4 | 113.41 | 122.41 | 106.75 | 60.20 | 51.55 | 53.76 |
| TC1100001624.mm.1 | Fkbp10 | 15984.18 | 15990.01 | 14049.95 | 7990.68 | 6969.25 | 7697.47 |
| TC0100000895.mm.1 | Fam132b | 327.88 | 330.99 | 273.19 | 110.62 | 104.13 | 126.34 |
| TC0400000654.mm.1 | Ugcg | 3157.53 | 2972.40 | 2687.38 | 1536.77 | 1402.57 | 1549.08 |
| TC1000002583.mm.1 | Aldh1l2 | 294.13 | 291.96 | 256.64 | 146.74 | 148.91 | 160.17 |
| TC0400000602.mm.1 | Zfp462 | 102.53 | 103.22 | 97.21 | 63.93 | 62.80 | 69.56 |
| TC1800000646.mm.1 | Apcdd1 | 50.48 | 51.58 | 50.74 | 35.66 | 33.35 | 37.01 |
| TC1200000951.mm.1 | Flrt2 | 310.34 | 282.96 | 249.25 | 101.15 | 83.92 | 103.01 |
| TC0900002455.mm.1 | Glce; Mir5133 | 199.66 | 198.92 | 182.91 | 133.74 | 125.25 | 129.23 |
| TC1100003406.mm.1 | Dusp14 | 197.12 | 182.71 | 181.96 | 117.21 | 125.24 | 126.86 |
| TC0800002307.mm.1 | Tll1 | 233.68 | 232.25 | 184.09 | 77.19 | 80.92 | 85.16 |
| TC0900002542.mm.1 | Tln2 | 333.93 | 340.76 | 310.60 | 180.24 | 156.84 | 181.20 |
| TC1300002285.mm.1 | lce1 | 824.75 | 821.19 | 745.88 | 329.15 | 346.99 | 402.27 |
| TC0300000752.mm.1 | Thbs3 | 64.59 | 57.63 | 59.78 | 39.49 | 40.50 | 40.88 |
| TC0800001143.mm.1 | Ndrp4 | 124.69 | 117.55 | 114.82 | 80.13 | 77.92 | 84.21 |
| TC0500003431.mm.1 | Serpine1 | 125834.00 | 128730.90 | 121254.80 | 74218.59 | 73232.30 | 82733.80 |
| TC1800001269.mm.1 | Dpysl3 | 514.12 | 496.90 | 443.13 | 203.28 | 178.68 | 220.87 |
| TC1000000171.mm.1 | Sgk1 | 661.88 | 659.96 | 593.15 | 410.01 | 391.91 | 411.67 |
| TC1300001722.mm.1 | Sox4 | 130.37 | 129.70 | 136.95 | 98.78 | 100.94 | 104.14 |
| TC1400001726.mm.1 | Bmpr1a | 1814.58 | 1762.23 | 1642.04 | 802.54 | 786.17 | 937.98 |
| TC1000002240.mm.1 | Adamts14 | 64.34 | 66.94 | 64.24 | 47.07 | 49.63 | 45.72 |
| TC0800000814.mm.1 | Tpm4 | 75797.85 | 79717.56 | 76821.34 | 60385.56 | 56657.41 | 59119.29 |
| TC0800002349.mm.1 | Csgalnact1 | 163.28 | 158.11 | 146.53 | 90.56 | 81.81 | 92.45 |
| TC1300002270.mm.1 | Adcy2 | 88.36 | 85.47 | 80.69 | 49.77 | 55.63 | 51.67 |
| TC0900003248.mm.1 | Cx3cr1 | 2104.79 | 1817.50 | 1664.09 | 854.93 | 818.82 | 819.13 |
| TC1500001121.mm.1 | Hoxc6 | 222.15 | 221.57 | 218.34 | 137.36 | 127.28 | 146.84 |
| TC1100004222.mm.1 | Pycr1 | 302.98 | 289.44 | 276.06 | 185.73 | 199.83 | 196.78 |
| TC0100001330.mm.1 | Brinp3 | 32.67 | 30.79 | 29.39 | 19.56 | 21.02 | 20.19 |
| TC0700001646.mm.1 | Parva | 3858.60 | 3685.72 | 3492.12 | 2395.49 | 2553.92 | 2499.66 |
| TC0400002018.mm.1 | Gpr153 | 184.16 | 167.79 | 161.88 | 111.09 | 108.28 | 108.20 |
| TC1500000791.mm.1 | Prr5 | 96.83 | 92.17 | 93.07 | 74.09 | 69.52 | 71.03 |
| TC1400000030.mm.1 | Gm3239 | 74.24 | 74.36 | 79.42 | 58.48 | 58.31 | 59.19 |
| TC0900000834.mm.1 | Cilp | 40.44 | 41.64 | 40.41 | 28.20 | 25.28 | 25.07 |
| TC0500002254.mm.1 | Sorcs2 | 101.04 | 90.79 | 87.79 | 48.93 | 47.87 | 53.60 |
| TC0100000894.mm.1 | Klhl30 | 97.15 | 98.25 | 84.03 | 52.86 | 50.62 | 51.58 |
| TC0100000298.mm.1 | Il1rl1 | 756.88 | 703.94 | 652.07 | 309.76 | 312.20 | 363.65 |
| TC1000000531.mm.1 | P4ha1 | 2289.76 | 2381.50 | 2083.98 | 1125.72 | 1104.45 | 1266.65 |
| TC0600001035.mm.1 | Mgll | 82.21 | 80.94 | 78.58 | 59.18 | 57.74 | 53.92 |
| TC1400000986.mm.1 | Tnfrsf10b | 762.48 | 741.90 | 751.10 | 371.48 | 389.69 | 446.60 |
| TC0700001841.mm.1 | Itgal | 192.80 | 180.67 | 167.99 | 93.39 | 85.71 | 99.66 |
| TC1100000161.mm.1 | Egfr | 1340.60 | 1335.59 | 1192.24 | 596.45 | 536.18 | 653.47 |
| TC0600000487.mm.1 | Arhgef5 | 67.34 | 66.21 | 62.76 | 48.66 | 50.48 | 48.12 |
| TC0200001729.mm.1 | Thbs1 | 658134.10 | 650853.60 | 638940.60 | 492675.50 | 451275.10 | 482743.60 |
| TC0X00000963.mm.1 | Dlg3 | 49.84 | 50.04 | 50.32 | 37.90 | 40.74 | 39.70 |
| TC0900001732.mm.1 | Arhgap42 | 278.45 | 265.36 | 245.45 | 170.23 | 160.40 | 168.27 |
| TC0X00002982.mm.1 | Pcdh19 | 980.62 | 1073.03 | 960.19 | 459.14 | 397.95 | 494.32 |

| | | | | | | | |
|-------------------|------------------------------|----------|----------|----------|----------|----------|----------|
| TC0900001056.mm.1 | Cd109 | 797.89 | 796.25 | 689.22 | 323.65 | 262.34 | 319.34 |
| TC0700002951.mm.1 | Siglece | 114.31 | 122.60 | 120.81 | 84.05 | 89.78 | 86.10 |
| TC1400000599.mm.1 | Arhgef40 | 51.97 | 51.62 | 50.52 | 40.17 | 40.61 | 42.61 |
| TC1100004126.mm.1 | Mxra7 | 755.00 | 771.65 | 663.83 | 376.85 | 339.31 | 387.40 |
| TC0400000861.mm.1 | Adamts1 | 32.03 | 33.64 | 32.05 | 22.49 | 24.09 | 24.28 |
| TC1900001484.mm.1 | Pdlim1 | 20495.22 | 20003.54 | 19414.24 | 16096.86 | 15393.11 | 15283.62 |
| TC0600002861.mm.1 | Pdzrn3 | 298.00 | 293.95 | 298.31 | 121.77 | 135.07 | 155.32 |
| TC0100003507.mm.1 | Uap1 | 149.16 | 143.95 | 135.58 | 103.61 | 98.34 | 99.40 |
| TC1800001595.mm.1 | Lipg | 49.29 | 48.14 | 47.15 | 34.77 | 33.38 | 31.17 |
| TC0300000711.mm.1 | Nes | 78.66 | 76.39 | 76.27 | 42.46 | 39.21 | 47.08 |
| TC0500002252.mm.1 | Htra3 | 832.07 | 755.93 | 708.43 | 369.95 | 323.13 | 382.35 |
| TC0100003113.mm.1 | Ppp1r12b | 58.51 | 59.49 | 58.20 | 44.54 | 47.87 | 46.44 |
| TC1100000015.mm.1 | Selm | 222.92 | 228.98 | 223.37 | 160.91 | 165.78 | 175.71 |
| TC1700002162.mm.1 | Vegfa | 795.90 | 818.89 | 745.80 | 382.66 | 352.32 | 431.75 |
| TC0500000084.mm.1 | Sema3a | 105.13 | 104.48 | 94.91 | 64.03 | 59.77 | 65.76 |
| TC1600002039.mm.1 | Tiam1 | 63.75 | 60.54 | 61.95 | 48.38 | 46.09 | 49.04 |
| TC0700001064.mm.1 | Rgma | 47.24 | 48.13 | 47.05 | 37.21 | 37.45 | 39.54 |
| TC0800000749.mm.1 | Crlf1 | 1189.76 | 1025.64 | 970.30 | 453.43 | 376.82 | 445.69 |
| TC0500001914.mm.1 | Steap1 | 591.26 | 589.35 | 532.81 | 322.39 | 273.29 | 277.77 |
| TC0400002782.mm.1 | Zfp37 | 84.87 | 91.66 | 88.13 | 54.02 | 59.77 | 59.37 |
| TC1600001548.mm.1 | Pdia5 | 1631.00 | 1546.36 | 1407.62 | 660.53 | 703.70 | 797.30 |
| TC1100003948.mm.1 | Pitpnc1 | 187.74 | 190.06 | 183.48 | 129.62 | 131.24 | 142.26 |
| TC1400001045.mm.1 | Htr2a | 787.69 | 725.28 | 607.86 | 259.17 | 238.90 | 286.33 |
| TC1400002293.mm.1 | Dock5 | 495.21 | 500.37 | 451.72 | 297.74 | 287.83 | 318.35 |
| TC0800001984.mm.1 | Nrg1 | 344.91 | 355.03 | 303.17 | 148.25 | 128.99 | 159.01 |
| TC0400002549.mm.1 | Gne | 161.52 | 167.99 | 159.30 | 132.85 | 126.67 | 127.22 |
| TC0600001019.mm.1 | Copg1 | 2579.47 | 2475.35 | 2335.59 | 1618.64 | 1590.49 | 1725.38 |
| TC1700002438.mm.1 | Ptpnm | 128.63 | 122.16 | 115.79 | 78.07 | 73.71 | 81.71 |
| TC0300001431.mm.1 | Unc5c | 79.21 | 77.86 | 71.80 | 48.20 | 49.94 | 52.60 |
| TC100000402.mm.1 | Cd24a | 1067.92 | 944.09 | 842.15 | 385.50 | 351.01 | 418.66 |
| TC1100004003.mm.1 | Abca5 | 84.78 | 85.70 | 80.25 | 62.88 | 61.55 | 65.21 |
| TC0300000631.mm.1 | Pdgfc | 1239.68 | 1179.75 | 1076.82 | 557.35 | 549.65 | 645.00 |
| TC0200002457.mm.1 | Lpin3 | 58.75 | 55.52 | 56.17 | 40.90 | 43.17 | 43.86 |
| TC1000000671.mm.1 | Ccdc6 | 1546.85 | 1589.06 | 1585.81 | 1192.83 | 1252.28 | 1280.05 |
| TC0900000976.mm.1 | Nedd4 | 8994.98 | 8938.05 | 8809.70 | 7012.25 | 6663.56 | 7204.11 |
| TC1500000090.mm.1 | Adamts12 | 2342.71 | 2477.63 | 2122.17 | 1100.02 | 970.16 | 1179.64 |
| TC0100003506.mm.1 | Ddr2 | 1160.66 | 1218.07 | 1077.52 | 652.40 | 639.91 | 722.55 |
| TC0X00002648.mm.1 | Maged1 | 1921.18 | 1949.81 | 1817.76 | 1023.64 | 950.55 | 1144.78 |
| TC0800001696.mm.1 | Col4a1 | 96.75 | 96.48 | 89.60 | 64.73 | 60.17 | 66.08 |
| TC0100002278.mm.1 | Col5a2 | 1670.58 | 1816.46 | 1507.52 | 582.10 | 443.11 | 595.69 |
| TC0X00002207.mm.1 | Gpc4 | 8179.96 | 7931.57 | 6694.12 | 3228.67 | 3417.72 | 3744.76 |
| TC0500000305.mm.1 | Emilin1 | 128.94 | 127.93 | 118.06 | 78.00 | 68.99 | 77.93 |
| TC1100002679.mm.1 | Zfp354c | 207.28 | 179.53 | 181.39 | 105.91 | 112.48 | 114.25 |
| TC1500001285.mm.1 | Fbxl7 | 76.74 | 71.94 | 77.20 | 54.95 | 54.35 | 57.73 |
| TC1600000415.mm.1 | Dlg1 | 762.56 | 779.20 | 734.46 | 561.09 | 564.54 | 598.66 |
| TC1700002181.mm.1 | Ptk7 | 552.52 | 515.10 | 441.69 | 229.16 | 216.58 | 245.63 |
| TC0700002217.mm.1 | Peg3 | 28.35 | 28.91 | 29.29 | 19.40 | 20.75 | 21.61 |
| TC1600000834.mm.1 | Robo1 | 109.25 | 105.77 | 100.70 | 70.20 | 63.25 | 70.48 |
| TC0200000551.mm.1 | Ass1; Gm5424 | 20924.05 | 20844.03 | 18537.75 | 13117.71 | 12948.04 | 12334.54 |
| TC1400002791.mm.1 | Gm3264; Gm3173 | 53.79 | 51.16 | 53.56 | 41.92 | 41.95 | 43.72 |
| TC1000001626.mm.1 | Itga7 | 51.63 | 53.68 | 48.94 | 36.84 | 33.72 | 35.21 |
| TC0400002529.mm.1 | Tpm2 | 1510.63 | 1416.71 | 1459.89 | 829.91 | 783.04 | 930.66 |
| TC0600000128.mm.1 | Cav1 | 2787.37 | 2616.10 | 2260.84 | 1258.24 | 1295.86 | 1361.01 |
| TC0400002532.mm.1 | Msmg | 111.01 | 107.06 | 105.79 | 84.82 | 86.85 | 81.19 |
| TC1300001209.mm.1 | Pde4d; Mir1904 | 46.98 | 47.80 | 42.99 | 33.06 | 32.01 | 32.04 |
| TC0100002534.mm.1 | Ikzf2 | 61.37 | 68.34 | 59.08 | 40.60 | 40.20 | 40.68 |
| TC1600001974.mm.1 | Adamts1 | 2146.65 | 2082.01 | 1884.07 | 1241.41 | 1258.16 | 1343.04 |
| TC0700001382.mm.1 | Map6 | 383.32 | 355.84 | 339.88 | 238.13 | 249.63 | 248.62 |
| TC1600000480.mm.1 | Itgb5 | 20797.45 | 20487.22 | 19502.50 | 13819.38 | 14343.08 | 15203.11 |
| TC0600002315.mm.1 | Fkbp14 | 554.81 | 553.78 | 459.58 | 272.23 | 269.23 | 282.99 |
| TC1000000211.mm.1 | Moxd1 | 65.63 | 60.99 | 60.62 | 39.31 | 38.85 | 34.18 |
| TC1400002788.mm.1 | Gm5796; Gm3095; Gm8108 | 62.22 | 59.93 | 61.61 | 45.75 | 45.71 | 49.22 |
| TC1600001643.mm.1 | Boc | 196.15 | 189.32 | 182.30 | 142.58 | 134.59 | 144.19 |
| TC0100003478.mm.1 | Uck2 | 5279.39 | 4935.49 | 4394.99 | 2666.94 | 2303.90 | 2417.04 |
| TC0900001200.mm.1 | Pcolce2 | 48.19 | 43.98 | 45.41 | 34.06 | 31.75 | 32.83 |
| TC1400000290.mm.1 | Wnt5a | 168.02 | 168.72 | 142.47 | 82.52 | 73.06 | 83.67 |
| TC1300001173.mm.1 | Adamts6 | 672.09 | 851.13 | 646.67 | 213.76 | 200.38 | 262.64 |
| TC0800001432.mm.1 | Crispld2 | 43.07 | 42.97 | 44.24 | 30.11 | 33.36 | 32.24 |
| TC0900000544.mm.1 | Bace1 | 621.30 | 553.85 | 501.35 | 282.37 | 248.24 | 278.82 |
| TC1500002318.mm.1 | Itga5 | 17726.38 | 18252.60 | 16073.67 | 8284.90 | 7448.55 | 9317.33 |

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|-------------------|--------------|----------|----------|----------|----------|----------|----------|
| TC040000535.mm.1 | Tmeff1 | 1035.96 | 926.01 | 985.50 | 473.93 | 424.82 | 535.27 |
| TC150000175.mm.1 | Ank; Mir7117 | 1107.77 | 1059.10 | 962.89 | 520.54 | 480.34 | 583.50 |
| TC1000001919.mm.1 | Lama2 | 281.63 | 264.99 | 227.78 | 102.54 | 93.99 | 118.46 |
| TC1100004215.mm.1 | P4hb | 19352.78 | 19072.86 | 18620.23 | 12746.16 | 12443.72 | 14042.49 |
| TC1700001403.mm.1 | Fndc1 | 45.01 | 43.66 | 39.48 | 23.70 | 26.45 | 26.28 |
| TC0500002833.mm.1 | Sec31a | 6926.62 | 6675.00 | 6197.84 | 4511.56 | 4320.07 | 4663.12 |
| TC1100003222.mm.1 | Serpinf1 | 6663.32 | 6779.72 | 6305.07 | 4626.98 | 4299.18 | 4769.68 |
| TC0600000374.mm.1 | Ttc26 | 89.12 | 82.27 | 78.51 | 58.27 | 55.88 | 57.26 |
| TC0600000229.mm.1 | Calu | 13234.46 | 12071.54 | 12356.32 | 8029.19 | 7463.27 | 8508.46 |
| TC0900002040.mm.1 | Pknox2 | 56.67 | 54.09 | 52.02 | 38.75 | 39.99 | 41.46 |
| TC0700001644.mm.1 | Mical2 | 837.22 | 793.77 | 763.42 | 503.53 | 457.94 | 527.70 |
| TC0700000557.mm.1 | Clip3 | 718.24 | 676.47 | 657.04 | 443.48 | 378.08 | 412.86 |
| TC1300000566.mm.1 | Aspn | 3455.38 | 3875.18 | 3014.98 | 1073.56 | 738.69 | 1006.50 |
| TC0700001640.mm.1 | Usp47 | 643.17 | 666.02 | 611.97 | 459.48 | 430.33 | 469.90 |
| TC0100003352.mm.1 | Rabgap1l | 118.21 | 118.63 | 110.86 | 87.93 | 90.58 | 92.25 |
| TC1800001338.mm.1 | Ppic | 24942.11 | 23010.85 | 21837.89 | 13964.10 | 12038.98 | 13538.91 |
| TC1900001131.mm.1 | Ms4a7 | 86643.70 | 88180.56 | 83966.42 | 63801.80 | 59620.06 | 65912.24 |
| TC1200000760.mm.1 | Ttc9 | 89.70 | 81.95 | 76.01 | 42.11 | 36.56 | 44.15 |
| TC1300002141.mm.1 | Ctla2b | 1132.91 | 983.29 | 1136.39 | 676.90 | 635.98 | 674.91 |
| TC0300000990.mm.1 | Tbx15 | 2596.38 | 2611.05 | 2182.69 | 1284.82 | 1401.06 | 1282.96 |
| TC0600002178.mm.1 | Tcaf1 | 94.48 | 96.23 | 86.02 | 65.64 | 64.47 | 61.99 |
| TC1600000938.mm.1 | Jam2 | 61.25 | 60.65 | 56.71 | 47.48 | 46.51 | 46.13 |
| TC0400003568.mm.1 | Gjb5 | 107.10 | 94.91 | 84.64 | 42.80 | 44.25 | 48.94 |
| TC0600000948.mm.1 | Dysf | 431.36 | 404.91 | 380.03 | 244.29 | 225.29 | 259.18 |
| TC1200001562.mm.1 | Sox11 | 69.81 | 71.85 | 68.08 | 49.38 | 54.42 | 51.56 |
| TC1400000071.mm.1 | Flnb | 2932.70 | 2740.11 | 2541.17 | 1526.30 | 1334.94 | 1580.38 |
| TC0100003502.mm.1 | Rgs4 | 436.97 | 375.84 | 381.58 | 227.48 | 198.40 | 225.69 |
| TC0100002038.mm.1 | Tram2 | 2870.07 | 2692.61 | 2436.89 | 1534.13 | 1388.86 | 1582.86 |
| TC1100000041.mm.1 | Lif | 160.89 | 169.04 | 160.66 | 90.75 | 86.83 | 105.02 |
| TC1400002794.mm.1 | Gm3298 | 73.26 | 80.98 | 74.47 | 53.20 | 55.93 | 55.88 |
| TC0600001740.mm.1 | Ppfibp1 | 473.67 | 465.54 | 440.34 | 251.80 | 248.02 | 295.16 |
| TC0900000336.mm.1 | Cdon | 112.23 | 107.03 | 106.16 | 66.56 | 75.12 | 75.19 |
| TC0700001651.mm.1 | Tead1 | 714.32 | 742.46 | 692.48 | 420.03 | 387.50 | 465.84 |
| TC1500000489.mm.1 | Wisp1 | 3853.81 | 3502.63 | 3098.01 | 1220.48 | 1232.07 | 1569.90 |
| TC1500002159.mm.1 | Vdr | 259.56 | 236.26 | 198.23 | 100.66 | 108.33 | 110.06 |
| TC1300002463.mm.1 | Iqgap2 | 327.66 | 323.17 | 300.50 | 211.82 | 188.55 | 212.69 |
| TC1100001748.mm.1 | Mrc2 | 1749.83 | 1619.63 | 1361.24 | 686.60 | 623.77 | 744.62 |
| TC0500000499.mm.1 | Slit2 | 422.67 | 445.74 | 379.18 | 239.56 | 221.72 | 252.35 |
| TC0800001077.mm.1 | Mmp2 | 11414.29 | 10642.45 | 9006.57 | 5113.55 | 4927.31 | 5417.62 |
| TC0X00003133.mm.1 | Amot | 98.07 | 92.25 | 85.72 | 59.29 | 55.04 | 60.97 |
| TC0900002128.mm.1 | Oaf | 1874.47 | 1686.48 | 1650.98 | 890.26 | 769.99 | 958.87 |
| TC1900000141.mm.1 | Pla2g16 | 83.28 | 81.64 | 80.48 | 58.23 | 55.82 | 62.82 |
| TC1500000897.mm.1 | Lrrk2 | 222.93 | 233.33 | 197.64 | 119.97 | 111.30 | 128.94 |
| TC0200001951.mm.1 | Slc20a1 | 2682.81 | 2882.04 | 2579.17 | 1360.57 | 1279.92 | 1589.90 |
| TC1100003966.mm.1 | Prkca | 198.80 | 191.52 | 185.11 | 121.03 | 106.81 | 125.92 |
| TC0900000212.mm.1 | Cnn1 | 12371.17 | 12137.00 | 10822.97 | 6808.01 | 7200.29 | 7662.16 |
| TC1300000998.mm.1 | Edil3 | 103.30 | 109.28 | 87.27 | 53.74 | 52.01 | 54.38 |
| TC0700002171.mm.1 | Ili1 | 44.07 | 44.04 | 40.27 | 31.71 | 29.68 | 29.39 |
| TC0100002305.mm.1 | Nabp1 | 1153.86 | 1214.39 | 1036.05 | 435.50 | 322.17 | 448.81 |
| TC0X00000122.mm.1 | Sytl5 | 40.07 | 40.61 | 38.70 | 21.42 | 25.60 | 21.28 |
| TC1100003993.mm.1 | Fam20a | 1127.16 | 1128.44 | 965.72 | 537.11 | 425.28 | 507.24 |
| TC0400001329.mm.1 | P3h1 | 461.73 | 425.81 | 380.99 | 234.34 | 199.79 | 224.71 |
| TC1600001827.mm.1 | Epha3 | 138.98 | 146.33 | 121.28 | 77.63 | 72.10 | 80.10 |
| TC1000000215.mm.1 | Ctgf | 59955.32 | 57473.67 | 51685.11 | 31472.54 | 33496.51 | 35920.00 |
| TC1900000205.mm.1 | Ddb1 | 16988.42 | 16582.98 | 15773.35 | 11281.63 | 10829.59 | 12198.74 |
| TC0X00003114.mm.1 | Capn6 | 80.02 | 79.00 | 68.31 | 41.94 | 37.76 | 44.20 |
| TC0X00003168.mm.1 | Maged2 | 271.11 | 246.82 | 241.84 | 166.04 | 171.80 | 180.92 |
| TC1700000092.mm.1 | Pde10a | 51.55 | 53.14 | 49.54 | 38.71 | 34.79 | 37.38 |
| TC0700004134.mm.1 | Copb1 | 4382.40 | 4438.13 | 4012.26 | 2771.09 | 2859.05 | 3072.62 |
| TC1300000105.mm.1 | Gli3 | 228.09 | 228.73 | 208.81 | 154.57 | 139.79 | 154.40 |
| TC1600000797.mm.1 | Vgll3 | 2361.71 | 2439.20 | 2137.88 | 1442.19 | 1520.06 | 1582.92 |
| TC1100001730.mm.1 | Itgb3 | 107.49 | 85.76 | 93.22 | 52.13 | 50.99 | 53.96 |
| TC0400002918.mm.1 | Mpdz | 76.65 | 81.97 | 75.96 | 57.17 | 57.45 | 61.28 |
| TC0300001117.mm.1 | Slc16a4 | 109.96 | 117.01 | 105.63 | 54.05 | 52.28 | 65.48 |
| TC1700002776.mm.1 | Pram1 | 71.16 | 65.93 | 64.07 | 43.78 | 36.80 | 39.79 |
| TC0600000661.mm.1 | Gars | 4874.55 | 4686.02 | 4565.86 | 3163.17 | 2942.97 | 3398.66 |
| TC0700003743.mm.1 | Ddias | 157.57 | 175.05 | 155.28 | 112.19 | 117.28 | 115.10 |
| TC0400003670.mm.1 | Phactr4 | 606.96 | 585.79 | 590.04 | 464.71 | 414.98 | 425.38 |
| TC1000000578.mm.1 | Gm5424 | 23938.54 | 24395.98 | 20518.09 | 13905.45 | 14078.44 | 13082.18 |
| TC0100003700.mm.1 | Enah | 749.25 | 709.42 | 765.84 | 560.68 | 524.19 | 569.97 |
| TC1700001166.mm.1 | Ltbp1 | 369.03 | 358.16 | 316.96 | 199.19 | 185.79 | 216.26 |
| TC0600000459.mm.1 | Zyx | 3689.70 | 3368.89 | 3208.20 | 2393.80 | 2234.55 | 2305.22 |
| TC0300002629.mm.1 | Olfml3 | 166.63 | 158.59 | 156.50 | 103.99 | 118.77 | 111.01 |
| TC0X00002983.mm.1 | Tspan6 | 3325.08 | 3124.25 | 2884.27 | 1701.47 | 1786.09 | 1991.93 |

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|-------------------|------------------------------|-----------|-----------|-----------|----------|----------|----------|
| TC1800001334.mm.1 | Lox | 139929.60 | 136252.00 | 127740.70 | 87387.32 | 81391.66 | 94215.07 |
| TC1900001437.mm.1 | Ankrd1 | 7977.05 | 6799.29 | 5778.03 | 2943.49 | 2647.81 | 3005.23 |
| TC1600001459.mm.1 | Lrrc15 | 1395.77 | 1831.82 | 1183.93 | 454.31 | 387.87 | 470.51 |
| TC0900002391.mm.1 | Lox1 | 43220.42 | 40497.06 | 37116.02 | 25643.93 | 23549.60 | 26254.29 |
| TC0300000675.mm.1 | Sh3d19 | 253.47 | 235.47 | 226.77 | 146.33 | 123.15 | 144.56 |
| TC1100000464.mm.1 | Adam19 | 2205.13 | 2079.07 | 1824.79 | 1239.21 | 1125.69 | 1205.44 |
| TC0900001428.mm.1 | Col7a1; Mir711 | 44.45 | 49.23 | 46.39 | 33.06 | 35.54 | 33.45 |
| TC1500000503.mm.1 | Khdrbs3 | 138.79 | 134.86 | 127.87 | 84.01 | 90.77 | 96.33 |
| TC1700000523.mm.1 | Glp1r | 178.48 | 210.31 | 151.93 | 79.08 | 71.34 | 79.09 |
| TC1900000467.mm.1 | Papss2 | 1242.66 | 1197.22 | 1046.24 | 695.87 | 664.38 | 734.85 |
| TC1300002520.mm.1 | Map1b | 320.45 | 304.58 | 289.11 | 188.49 | 178.65 | 208.85 |
| TC0900000791.mm.1 | Itga11 | 5105.34 | 4753.90 | 4205.58 | 2338.07 | 2044.19 | 2528.16 |
| TC0100001703.mm.1 | Cdc42bpa | 348.06 | 386.80 | 322.38 | 200.33 | 183.35 | 212.03 |
| TC0700003797.mm.1 | Serpinh1 | 1283.21 | 1252.48 | 1025.69 | 604.46 | 613.03 | 656.50 |
| TC1000002076.mm.1 | Sobp | 148.85 | 184.10 | 149.10 | 85.91 | 78.34 | 86.14 |
| TC1200001302.mm.1 | Esy2 | 5969.34 | 6040.67 | 5231.42 | 3220.70 | 2928.50 | 3499.07 |
| TC0100000338.mm.1 | Gulp1 | 443.86 | 525.96 | 418.51 | 255.29 | 249.27 | 262.61 |
| TC0100000541.mm.1 | Ccnyl1 | 5048.05 | 5396.14 | 4583.71 | 3002.99 | 2873.00 | 3247.29 |
| TC1100001304.mm.1 | Tbx4 | 26.09 | 25.57 | 26.66 | 22.13 | 20.82 | 20.64 |
| TC1700001798.mm.1 | Btb9 | 225.67 | 219.29 | 217.59 | 167.12 | 181.73 | 167.14 |
| TC0600000714.mm.1 | Herc3 | 117.67 | 110.41 | 107.63 | 84.31 | 83.40 | 88.56 |
| TC1000002846.mm.1 | Nav3 | 60.16 | 60.49 | 57.15 | 47.41 | 46.70 | 49.61 |
| TC0700001186.mm.1 | Adamtsl3 | 140.48 | 133.46 | 129.24 | 99.01 | 86.85 | 91.79 |
| TC0100003119.mm.1 | Lgr6 | 68.77 | 67.11 | 58.51 | 37.82 | 36.73 | 41.50 |
| TC0900000200.mm.1 | Carm1 | 818.40 | 827.96 | 802.15 | 662.54 | 597.70 | 633.60 |
| TC1200001281.mm.1 | Crip2 | 7055.31 | 6460.12 | 5988.87 | 4007.09 | 3402.39 | 3786.11 |
| TC1600001236.mm.1 | Pdxdc1 | 1197.36 | 1204.44 | 1156.11 | 832.53 | 828.58 | 927.15 |
| TC0100002177.mm.1 | Neur13 | 849.72 | 755.46 | 752.04 | 303.68 | 321.28 | 410.82 |
| TC0600000232.mm.1 | Flnc | 963.56 | 920.34 | 797.52 | 513.37 | 462.34 | 529.63 |
| TC1300002725.mm.1 | Parp8 | 1786.09 | 1801.87 | 1612.61 | 1026.19 | 913.53 | 1103.70 |
| TC0600003005.mm.1 | Cacna1c | 171.03 | 171.16 | 162.86 | 106.18 | 99.78 | 119.01 |
| TC0800002184.mm.1 | Wwc2 | 379.57 | 389.00 | 355.51 | 236.62 | 223.34 | 262.38 |
| TC1400001902.mm.1 | Fermt2 | 4829.89 | 4680.77 | 4117.81 | 2596.78 | 2325.29 | 2762.60 |
| TC1800001478.mm.1 | Lman1 | 9422.95 | 9093.94 | 8306.39 | 5677.26 | 4917.02 | 5694.00 |
| TC1000002458.mm.1 | Syde1 | 1820.45 | 1893.73 | 1632.77 | 1238.10 | 1161.33 | 1208.61 |
| TC0600001203.mm.1 | Bhlhe40 | 285.95 | 263.12 | 266.50 | 168.02 | 131.96 | 142.93 |
| TC0100003827.mm.1 | Hhat | 108.17 | 105.49 | 94.14 | 72.26 | 72.31 | 72.56 |
| TC0500000602.mm.1 | Fam114a1 | 1437.44 | 1393.63 | 1261.06 | 843.00 | 757.72 | 889.19 |
| TC0X00002685.mm.1 | Eda2r | 210.80 | 208.34 | 178.98 | 117.14 | 100.22 | 115.55 |
| TC1800001026.mm.1 | Cdh2 | 303.65 | 290.74 | 277.98 | 191.28 | 172.22 | 202.46 |
| TC1700001794.mm.1 | Mdga1 | 90.22 | 80.58 | 77.21 | 55.74 | 50.64 | 53.67 |
| TC1200000596.mm.1 | Frmf6 | 370.01 | 342.93 | 322.05 | 216.13 | 183.28 | 211.70 |
| TC0600000678.mm.1 | Fkbp9 | 5872.90 | 5322.71 | 5275.03 | 3368.41 | 2869.43 | 3432.50 |
| TC0200004251.mm.1 | Prrg4 | 94.20 | 89.27 | 79.50 | 57.56 | 58.71 | 55.54 |
| TC0800000653.mm.1 | Sh3rf1 | 286.07 | 262.09 | 245.79 | 154.38 | 142.11 | 168.90 |
| TC0300003077.mm.1 | Sh3glb1 | 17729.10 | 18169.16 | 17303.66 | 14162.71 | 13445.08 | 14652.73 |
| TC1400002783.mm.1 | Gm2956 | 74.96 | 75.12 | 73.00 | 57.62 | 62.52 | 57.79 |
| TC1000001949.mm.1 | Hey2 | 38.92 | 38.86 | 39.48 | 25.51 | 25.95 | 29.53 |
| TC1300002059.mm.1 | Dbn1 | 450.27 | 475.75 | 411.99 | 303.79 | 282.34 | 309.24 |
| TC1000000572.mm.1 | Sar1a | 9529.86 | 10109.78 | 9451.05 | 5944.01 | 6204.06 | 6991.11 |
| TC0800000384.mm.1 | Purg | 76.24 | 77.23 | 77.62 | 56.33 | 56.42 | 62.54 |
| TC1600000193.mm.1 | Pkp2 | 88.38 | 92.06 | 75.29 | 52.88 | 49.06 | 49.89 |
| TC0900001792.mm.1 | Fat3 | 51.15 | 54.56 | 48.08 | 36.13 | 36.60 | 38.39 |
| TC1600001922.mm.1 | Nrip1 | 68.54 | 72.57 | 69.11 | 54.24 | 53.72 | 58.00 |
| TC0300000228.mm.1 | Usp13 | 41.33 | 41.59 | 38.43 | 29.68 | 31.79 | 31.62 |
| TC0200001552.mm.1 | Cd59a | 2093.43 | 2017.01 | 1769.45 | 1124.36 | 1093.72 | 1258.68 |
| TC0900002175.mm.1 | Arcn1 | 1855.80 | 1997.40 | 1837.87 | 1445.50 | 1360.58 | 1478.13 |
| TC1400001429.mm.1 | Gm10128 | 57.19 | 52.16 | 55.05 | 41.04 | 43.17 | 43.44 |
| TC0300000354.mm.1 | Noct | 103.26 | 103.33 | 100.87 | 71.30 | 64.44 | 75.80 |
| TC1400002116.mm.1 | Gzmd; Gzme | 435.34 | 384.25 | 360.08 | 247.80 | 217.24 | 228.90 |
| TC1100003240.mm.1 | Nxn | 1942.74 | 1843.26 | 1651.10 | 825.75 | 756.21 | 1001.39 |
| TC0900002887.mm.1 | Zbtb38; E030011O05R ik | 235.10 | 239.26 | 224.33 | 145.26 | 132.10 | 160.89 |
| TC0500000527.mm.1 | Sod3 | 53.64 | 54.31 | 52.16 | 37.62 | 34.49 | 40.17 |
| TC1600000439.mm.1 | Ubxn7 | 230.82 | 235.41 | 251.19 | 183.21 | 170.73 | 185.82 |
| TC0200003033.mm.1 | Dnajc1 | 353.73 | 352.38 | 322.06 | 214.72 | 207.49 | 242.43 |
| TC0100003830.mm.1 | Sertad4 | 245.98 | 252.24 | 221.87 | 145.19 | 116.09 | 135.79 |
| TC0200002549.mm.1 | Slc2a10 | 104.45 | 93.36 | 89.73 | 62.29 | 66.76 | 65.64 |
| TC1000000322.mm.1 | Lama4 | 238.33 | 262.28 | 235.34 | 159.32 | 139.41 | 163.58 |
| TC1300001242.mm.1 | Plk2 | 2283.69 | 2391.45 | 1930.67 | 1096.56 | 967.42 | 1204.72 |
| TC1000001743.mm.1 | Adgb | 45.16 | 49.55 | 47.98 | 27.41 | 32.92 | 28.63 |
| TC0600000331.mm.1 | Cald1 | 1136.17 | 1223.35 | 1076.03 | 740.26 | 714.60 | 814.13 |

| | | | | | | | |
|--------------------|----------|----------|----------|----------|----------|----------|----------|
| TC1900000382.mm.1 | Ptar1 | 284.38 | 299.10 | 265.03 | 180.25 | 154.12 | 182.57 |
| TC1500000125.mm.1 | Cdh10 | 29.57 | 32.17 | 30.68 | 24.07 | 23.17 | 21.76 |
| TC0200000549.mm.1 | Ncs1 | 413.16 | 390.38 | 369.83 | 245.53 | 217.48 | 261.94 |
| TC0800000874.mm.1 | Zfp827 | 143.32 | 141.95 | 137.02 | 101.12 | 89.95 | 104.25 |
| TC11000003769.mm.1 | Jup | 216.91 | 196.83 | 180.20 | 127.15 | 110.38 | 113.93 |
| TC1000001110.mm.1 | Ikbip | 384.61 | 407.51 | 362.19 | 266.30 | 232.71 | 262.61 |
| TC0900001771.mm.1 | Amotl1 | 141.79 | 143.55 | 137.82 | 96.83 | 80.30 | 93.78 |
| TC1900000495.mm.1 | Stambpl1 | 453.56 | 429.32 | 408.21 | 307.36 | 277.92 | 312.81 |
| TC0100002789.mm.1 | Col6a3 | 1177.80 | 1162.02 | 1084.06 | 658.07 | 533.23 | 679.14 |
| TC1400000795.mm.1 | Nfatc4 | 116.72 | 117.93 | 105.91 | 83.59 | 74.95 | 75.11 |
| TC0900000033.mm.1 | Casp12 | 274.95 | 274.29 | 243.15 | 188.63 | 173.56 | 186.74 |
| TC1500002076.mm.1 | Slc2a13 | 85.98 | 87.62 | 78.73 | 63.67 | 60.06 | 64.08 |
| TC1700001783.mm.1 | Mtch1 | 5022.57 | 4583.20 | 4373.86 | 3346.43 | 3138.05 | 3359.02 |
| TC1200000263.mm.1 | Lamb1 | 516.75 | 488.88 | 425.96 | 249.56 | 216.41 | 271.97 |
| TC0700002988.mm.1 | Rcn3 | 7843.79 | 7908.71 | 6122.55 | 3430.56 | 3207.09 | 3801.83 |
| TC0600002079.mm.1 | Ptn | 34.03 | 30.69 | 33.10 | 24.81 | 22.51 | 22.49 |
| TC0400002737.mm.1 | Lpar1 | 113.42 | 100.39 | 97.68 | 73.40 | 68.31 | 71.12 |
| TC1400002780.mm.1 | Gm2897 | 65.51 | 57.68 | 60.39 | 45.57 | 43.21 | 45.68 |
| TC0400003076.mm.1 | Mysm1 | 119.97 | 127.26 | 126.72 | 100.44 | 101.13 | 106.26 |
| TC0300001142.mm.1 | Psrc1 | 217.29 | 212.01 | 200.43 | 151.70 | 144.47 | 163.04 |
| TC1000002547.mm.1 | Gna11 | 428.81 | 398.49 | 379.02 | 297.49 | 297.30 | 310.13 |
| TC1500001819.mm.1 | Myh9 | 4717.53 | 4677.00 | 4260.81 | 2921.89 | 2739.19 | 3228.33 |
| TC1400002259.mm.1 | Elp3 | 384.70 | 383.01 | 359.96 | 305.08 | 285.51 | 305.37 |
| TC1500000351.mm.1 | Eny2 | 279.16 | 278.62 | 263.36 | 219.56 | 213.94 | 230.12 |
| TC0700002858.mm.1 | Zfp507 | 63.95 | 64.25 | 62.48 | 50.40 | 46.89 | 52.22 |
| TC1800001180.mm.1 | Ecsr | 487.98 | 497.95 | 488.65 | 377.83 | 355.94 | 401.55 |
| TC0600001154.mm.1 | Gxylt2 | 169.75 | 156.44 | 143.45 | 108.80 | 108.78 | 104.03 |
| TC0600002024.mm.1 | Plxna4 | 58.40 | 51.09 | 53.39 | 38.15 | 39.41 | 40.59 |
| TC0600001602.mm.1 | Gprc5a | 104.00 | 93.47 | 85.78 | 51.71 | 38.47 | 42.90 |
| TC0X00002482.mm.1 | Pls3 | 793.12 | 748.94 | 700.73 | 575.86 | 549.54 | 543.32 |
| TC0800001632.mm.1 | Ctxn1 | 635.40 | 584.06 | 642.46 | 489.45 | 461.80 | 485.18 |
| TC0700002417.mm.1 | Ehd2 | 7028.39 | 6777.10 | 5768.98 | 3762.59 | 3468.03 | 4035.43 |
| TC1200001241.mm.1 | Mark3 | 394.83 | 415.75 | 373.98 | 289.02 | 307.05 | 307.48 |
| TC1600000667.mm.1 | Ccdc80 | 17734.15 | 16951.97 | 16556.82 | 11394.74 | 10722.23 | 12680.50 |
| TC1800001012.mm.1 | Kctd1 | 77.54 | 71.94 | 77.92 | 57.06 | 54.52 | 60.13 |
| TC1800001296.mm.1 | Ccdc112 | 42.75 | 44.41 | 45.80 | 34.67 | 33.99 | 36.87 |
| TC0800001654.mm.1 | Efnb2 | 302.84 | 276.75 | 260.73 | 156.93 | 140.10 | 175.91 |
| TC0700000508.mm.1 | Fbxo17 | 74.27 | 77.94 | 68.16 | 54.73 | 50.65 | 50.46 |
| TC1100000880.mm.1 | Myh10 | 110.89 | 112.34 | 109.07 | 79.85 | 71.37 | 83.67 |
| TC0800002066.mm.1 | Dlc1 | 71.43 | 68.80 | 63.53 | 45.94 | 41.96 | 48.64 |
| TC0700001404.mm.1 | P4ha3 | 776.00 | 867.63 | 710.65 | 443.09 | 404.45 | 485.59 |
| TC1500001799.mm.1 | Rbfox2 | 1540.97 | 1522.03 | 1348.65 | 954.67 | 862.74 | 1004.09 |
| TC0200001551.mm.1 | Cd59b | 154.05 | 144.51 | 130.29 | 96.15 | 86.61 | 95.59 |
| TC1800000714.mm.1 | Ldlrad4 | 205.27 | 203.17 | 173.09 | 99.09 | 104.27 | 120.66 |
| TC0X00001625.mm.1 | Sh3kbp1 | 377.30 | 388.76 | 360.16 | 293.22 | 271.47 | 298.68 |
| TC0X00000525.mm.1 | Fhl1 | 195.79 | 187.41 | 163.06 | 114.39 | 121.64 | 121.02 |
| TC0700001119.mm.1 | Abhd2 | 2379.84 | 2149.81 | 1881.34 | 1080.28 | 1006.15 | 1236.47 |
| TC0100002606.mm.1 | Ptpn | 214.49 | 212.11 | 178.64 | 117.78 | 108.24 | 126.73 |
| TC0300002324.mm.1 | Syt11 | 102.96 | 94.78 | 89.07 | 69.30 | 68.78 | 71.37 |
| TC0300001081.mm.1 | Rhoc | 21182.24 | 20393.34 | 17809.67 | 13386.65 | 12233.03 | 13096.73 |
| TC0100001252.mm.1 | Csrp1 | 3599.69 | 3581.54 | 3259.17 | 2706.48 | 2777.52 | 2675.46 |
| TC0900001293.mm.1 | Amotl2 | 125.65 | 130.46 | 117.39 | 87.58 | 81.36 | 92.98 |
| TC0200002811.mm.1 | Arfgap1 | 223.23 | 231.19 | 202.14 | 159.62 | 164.14 | 163.79 |
| TC0600002285.mm.1 | Hoxa11 | 48.56 | 48.01 | 44.53 | 37.82 | 34.74 | 35.84 |
| TC1900001464.mm.1 | Rbp4 | 275.59 | 241.16 | 261.06 | 140.49 | 168.13 | 165.78 |
| TC0400001708.mm.1 | Hspg2 | 3217.26 | 3020.69 | 2532.53 | 1570.61 | 1409.37 | 1681.86 |
| TC0200000783.mm.1 | Mbd5 | 168.56 | 180.74 | 161.61 | 127.79 | 123.16 | 133.32 |
| TC1100001115.mm.1 | Ssh2 | 613.66 | 666.12 | 585.61 | 457.70 | 458.52 | 479.25 |
| TC0X00000801.mm.1 | Tmem47 | 1844.07 | 1912.10 | 1685.23 | 1148.89 | 1032.98 | 1242.62 |
| TC1100001520.mm.1 | Copz2 | 6657.39 | 6652.19 | 5691.04 | 3673.24 | 4234.25 | 3944.81 |
| TC0900002676.mm.1 | Mapk6 | 455.21 | 441.44 | 409.99 | 339.84 | 343.72 | 351.85 |
| TC1000001868.mm.1 | Eya4 | 561.65 | 578.77 | 481.10 | 329.14 | 296.87 | 344.79 |
| TC0100001108.mm.1 | | 367.32 | 403.50 | 381.55 | 297.24 | 261.99 | 271.79 |
| TC0800000936.mm.1 | Adgrl1 | 190.41 | 189.67 | 174.69 | 145.51 | 136.44 | 146.93 |
| TC1400002795.mm.1 | Gm8281 | 43.81 | 40.72 | 41.69 | 33.68 | 29.96 | 30.90 |
| TC1200002089.mm.1 | Pgf | 133.96 | 115.38 | 102.87 | 68.49 | 68.14 | 67.50 |
| TC0200004750.mm.1 | Rrbp1 | 1531.46 | 1427.39 | 1341.88 | 909.31 | 783.40 | 948.71 |
| TC1100002334.mm.1 | Ehbp1 | 58.31 | 59.90 | 56.80 | 42.09 | 44.12 | 47.50 |
| TC0400004055.mm.1 | Spsb1 | 103.48 | 91.37 | 85.25 | 54.04 | 47.12 | 57.33 |
| TC0100003350.mm.1 | Tnn | 520.87 | 494.01 | 451.21 | 264.29 | 203.48 | 268.68 |
| TC1400002849.mm.1 | Gm3696 | 39.81 | 38.07 | 38.92 | 30.27 | 30.03 | 32.95 |
| TC1800000953.mm.1 | Mkx | 29.63 | 28.59 | 26.99 | 20.65 | 19.33 | 21.96 |
| TC1800001397.mm.1 | Smim3 | 412.00 | 350.23 | 345.68 | 205.90 | 213.76 | 241.64 |
| TC0700001991.mm.1 | Inpp5a | 903.12 | 959.32 | 867.51 | 680.34 | 677.14 | 731.92 |

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|-------------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| TC0X00001322.mm.1 | Wbp5 | 5060.60 | 5012.56 | 5346.14 | 3455.06 | 2816.85 | 3388.75 |
| TC1300000087.mm.1 | Nid1 | 4169.98 | 4195.28 | 3515.87 | 2144.85 | 1817.96 | 2321.81 |
| TC0400002095.mm.1 | Mxra8 | 2296.94 | 2223.14 | 2044.54 | 1665.28 | 1681.73 | 1736.21 |
| TC1300000565.mm.1 | Ecm2 | 56.90 | 51.87 | 49.01 | 39.07 | 37.13 | 36.20 |
| TC0800002953.mm.1 | Bcar1 | 767.68 | 740.49 | 735.90 | 573.91 | 508.58 | 578.75 |
| TC1000001531.mm.1 | Lrig3 | 379.82 | 342.22 | 323.85 | 201.30 | 186.94 | 229.90 |
| TC0600000362.mm.1 | Trim24 | 226.90 | 223.24 | 214.16 | 155.27 | 142.26 | 168.45 |
| TC1500000298.mm.1 | Fzd6 | 86.51 | 74.79 | 68.65 | 45.95 | 48.93 | 45.50 |
| TC1700000955.mm.1 | Gm7334 | 2256.87 | 2209.37 | 2059.16 | 1324.08 | 1330.75 | 1575.58 |
| TC0200003560.mm.1 | Nr4a2 | 82.82 | 81.42 | 74.37 | 59.52 | 58.50 | 53.17 |
| TC1600001528.mm.1 | Kalrn | 54.92 | 54.28 | 50.88 | 41.95 | 42.63 | 44.82 |
| TC1400002848.mm.1 | Gm10406 | 64.13 | 59.70 | 57.81 | 45.08 | 43.22 | 47.76 |
| TC1100002301.mm.1 | Slc1a4 | 326.24 | 302.26 | 274.90 | 193.62 | 168.87 | 197.58 |
| TC0700000038.mm.1 | Brsk1 | 59.96 | 55.42 | 52.06 | 41.98 | 38.56 | 40.22 |
| TC1900001163.mm.1 | Dtx4 | 248.63 | 271.61 | 256.29 | 173.82 | 147.04 | 177.88 |
| TC0400001510.mm.1 | Rnf19b | 757.64 | 720.89 | 634.18 | 488.75 | 484.97 | 492.67 |
| TC0100002690.mm.1 | Pid1 | 126.15 | 134.80 | 134.69 | 104.32 | 99.59 | 109.17 |
| TC0100003443.mm.1 | Dcaf6 | 300.59 | 289.52 | 276.83 | 204.20 | 193.52 | 224.12 |
| TC0400002854.mm.1 | Tle1 | 93.17 | 100.12 | 87.92 | 69.18 | 66.77 | 72.35 |
| TC0200003806.mm.1 | Fkbp7 | 1955.34 | 2251.50 | 1933.16 | 1140.53 | 1088.13 | 1343.00 |
| TC0100000364.mm.1 | Tmeff2 | 58.24 | 58.22 | 48.54 | 36.08 | 35.43 | 36.86 |
| TC0900002054.mm.1 | Tbrg1 | 4475.15 | 4403.31 | 4013.50 | 2988.68 | 3008.49 | 3320.77 |
| TC1500000647.mm.1 | Kctd17 | 462.35 | 455.37 | 377.92 | 282.21 | 261.79 | 269.68 |
| TC0100001821.mm.1 | Ptpn14 | 466.59 | 455.31 | 414.84 | 318.29 | 310.09 | 343.66 |
| TC1200002493.mm.1 | Wdr60 | 51.93 | 49.82 | 51.55 | 43.81 | 39.85 | 40.98 |
| TC0100001193.mm.1 | Dstyk | 104.71 | 106.24 | 94.03 | 77.87 | 73.45 | 77.33 |
| TC0100002261.mm.1 | Fhl2 | 380.02 | 360.00 | 343.57 | 289.17 | 271.78 | 262.04 |
| TC1300002119.mm.1 | Golm1 | 309.23 | 277.22 | 296.28 | 197.84 | 205.81 | 225.86 |
| TC0900001900.mm.1 | Acp5 | 271.39 | 253.28 | 240.12 | 184.06 | 186.91 | 199.90 |
| TC0700003420.mm.1 | Tjp1 | 325.99 | 332.22 | 305.33 | 213.91 | 169.25 | 202.22 |
| TC0400002665.mm.1 | Abca1 | 5357.50 | 5542.41 | 4853.74 | 3392.95 | 3248.23 | 3805.52 |
| TC0300001958.mm.1 | Setd7 | 294.60 | 297.72 | 246.27 | 155.06 | 137.31 | 171.49 |
| TC0500003738.mm.1 | Pcolce | 1393.29 | 1321.24 | 1209.51 | 938.38 | 898.19 | 986.75 |
| TC0200000518.mm.1 | Sptan1 | 930.09 | 942.96 | 907.89 | 714.77 | 704.16 | 783.69 |
| TC1100003063.mm.1 | Chrn1 | 46.98 | 47.11 | 42.40 | 36.15 | 35.07 | 33.96 |
| TC0200001230.mm.1 | Tnks1bp1 | 146.25 | 138.72 | 129.90 | 106.46 | 96.14 | 103.45 |
| TC1400000263.mm.1 | Arf4 | 780.08 | 740.87 | 647.01 | 460.83 | 450.57 | 500.97 |
| TC1400000851.mm.1 | Spata13 | 48.08 | 43.90 | 44.32 | 34.72 | 34.19 | 37.06 |
| TC0700003434.mm.1 | Lrrk1 | 240.17 | 232.07 | 214.31 | 151.84 | 136.87 | 164.52 |
| TC1100000544.mm.1 | Hnrnp1 | 681.18 | 725.90 | 663.49 | 487.57 | 484.68 | 546.00 |
| TC0600000768.mm.1 | Prdm5 | 94.55 | 98.86 | 91.90 | 73.39 | 71.84 | 79.19 |
| TC1500000592.mm.1 | Scx | 81.67 | 76.95 | 68.81 | 48.20 | 53.31 | 52.34 |
| TC0500000734.mm.1 | Srp72 | 3481.58 | 3555.91 | 3188.20 | 2622.78 | 2469.64 | 2681.97 |
| TC0600002799.mm.1 | Uba3 | 2485.08 | 2442.35 | 2199.80 | 1820.56 | 1740.35 | 1843.31 |
| TC0500003576.mm.1 | Baiap211 | 180.41 | 194.07 | 171.95 | 132.22 | 110.36 | 118.31 |
| TC1100003236.mm.1 | Fam101b | 985.72 | 888.79 | 767.85 | 394.54 | 352.04 | 482.20 |
| TC1400001303.mm.1 | Mbnl2 | 10721.98 | 11906.36 | 9422.36 | 6042.57 | 5714.56 | 6747.24 |
| TC0100000916.mm.1 | Gpc1 | 294.49 | 265.41 | 250.56 | 179.75 | 155.24 | 181.31 |
| TC1700001805.mm.1 | Glo1 | 536.39 | 534.07 | 438.29 | 313.03 | 324.05 | 327.42 |
| TC0700002078.mm.1 | Lsp1 | 223.14 | 236.39 | 207.56 | 150.36 | 127.74 | 151.95 |
| TC0300001760.mm.1 | Fndc3b | 7365.57 | 7475.17 | 6539.93 | 4578.69 | 4117.46 | 4969.96 |
| TC1300001500.mm.1 | Cdk13 | 2126.99 | 2297.95 | 2046.48 | 1586.26 | 1691.94 | 1694.24 |
| TC0100001351.mm.1 | Ivns1abp | 2150.33 | 2143.20 | 1925.02 | 1409.93 | 1331.67 | 1550.04 |
| TC0700003552.mm.1 | Mfge8 | 5346.14 | 5098.47 | 4631.22 | 3553.35 | 3144.90 | 3570.70 |
| TC1600001319.mm.1 | Gp1bb; Sept5 | 675.80 | 607.39 | 545.70 | 391.94 | 338.45 | 381.94 |
| TC1900000186.mm.1 | Fads3 | 15332.15 | 15479.40 | 13914.80 | 11774.47 | 11011.59 | 11713.65 |
| TC1700000009.mm.1 | Tiam2 | 79.48 | 73.88 | 70.77 | 56.09 | 47.86 | 51.56 |
| TC1300001036.mm.1 | Serinc5 | 512.58 | 498.05 | 437.00 | 282.81 | 298.59 | 336.40 |
| TC0200002410.mm.1 | Src | 144.96 | 140.83 | 136.04 | 105.16 | 99.39 | 114.04 |
| TC0600003264.mm.1 | Klra2 | 160.10 | 154.27 | 134.94 | 101.61 | 103.49 | 91.48 |
| TC1300002326.mm.1 | Cast | 1045.50 | 1046.38 | 994.48 | 802.82 | 720.78 | 819.42 |
| TC1100002092.mm.1 | Smtn | 193.75 | 187.54 | 165.32 | 131.51 | 123.88 | 132.87 |
| TC1200000110.mm.1 | Nbas | 438.24 | 436.64 | 378.79 | 304.65 | 281.69 | 300.70 |
| TC0300002094.mm.1 | Ssr3 | 2934.30 | 2742.71 | 2710.75 | 2074.46 | 1702.24 | 1870.22 |
| TC0900000871.mm.1 | Car12 | 33.34 | 29.28 | 29.76 | 23.42 | 23.26 | 21.84 |
| TC0700004201.mm.1 | Cdr2 | 412.12 | 420.05 | 362.24 | 278.25 | 277.38 | 298.34 |
| TC0500002651.mm.1 | Igfbp7 | 162211.50 | 156024.50 | 148128.20 | 113090.00 | 105817.30 | 122166.30 |
| TC1300002061.mm.1 | Pdlim7; Mir6945 | 542.36 | 520.86 | 439.99 | 323.24 | 286.43 | 320.01 |
| TC0200004264.mm.1 | Rcn1 | 718.02 | 683.16 | 591.77 | 372.81 | 346.18 | 430.63 |
| TC1300002481.mm.1 | Hexb | 60879.91 | 56774.76 | 54980.69 | 39960.72 | 35256.10 | 42147.66 |
| TC1500001181.mm.1 | Gm2310 | 1085.58 | 1184.26 | 1341.27 | 631.61 | 701.29 | 772.82 |
| TC1400002844.mm.1 | Gm3591 | 89.38 | 79.61 | 80.50 | 60.04 | 50.12 | 55.90 |
| TC0200003837.mm.1 | Nckap1 | 700.98 | 648.64 | 620.83 | 435.44 | 387.35 | 470.05 |

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|-------------------|------------------------------|----------|----------|----------|----------|----------|----------|
| TC0600001606.mm.1 | Emp1 | 40625.39 | 39728.44 | 35870.41 | 24751.32 | 27482.08 | 28541.45 |
| TC0800002300.mm.1 | Palld | 265.16 | 262.61 | 233.79 | 162.62 | 159.53 | 186.54 |
| TC1000000937.mm.1 | Chst11 | 2230.43 | 2065.27 | 1677.14 | 924.64 | 657.64 | 902.95 |
| TC0300002023.mm.1 | Tm4sf1 | 687.97 | 647.99 | 565.37 | 406.10 | 420.40 | 442.98 |
| TC1500001656.mm.1 | Sla | 111.39 | 106.28 | 97.31 | 80.11 | 76.73 | 81.67 |
| TC1500001511.mm.1 | Ext1 | 2042.23 | 1886.94 | 1700.46 | 1131.42 | 1295.87 | 1253.25 |
| TC0300000124.mm.1 | Mtfr1 | 315.81 | 317.23 | 297.82 | 252.13 | 224.78 | 221.66 |
| TC0500000534.mm.1 | Anapc4 | 356.54 | 365.00 | 341.54 | 276.29 | 278.23 | 301.70 |
| TC1900000749.mm.1 | Mxi1 | 77.06 | 72.78 | 74.54 | 55.75 | 58.29 | 62.68 |
| TC0900002944.mm.1 | Ppp2r3a | 64.60 | 66.76 | 60.29 | 50.64 | 50.24 | 53.08 |
| TC0700004592.mm.1 | Tnfrsf22 | 1215.63 | 1337.30 | 1272.79 | 878.12 | 840.50 | 986.68 |
| TC1100002131.mm.1 | Kremen1 | 249.90 | 223.89 | 219.45 | 163.11 | 142.82 | 165.12 |
| TC1600000443.mm.1 | Pcyt1a | 312.60 | 285.71 | 315.10 | 242.46 | 220.30 | 236.50 |
| TC1100001694.mm.1 | Fzd2 | 314.44 | 324.95 | 283.65 | 215.05 | 190.73 | 221.79 |
| TC1200001523.mm.1 | Gm10330; LOC10086160 1 | 181.07 | 169.44 | 165.35 | 100.02 | 82.16 | 110.72 |
| TC0200000741.mm.1 | Arhgap15 | 75.01 | 80.07 | 69.45 | 56.40 | 58.51 | 55.64 |
| TC0900001067.mm.1 | Senp6 | 259.77 | 268.33 | 251.07 | 208.25 | 193.71 | 215.96 |
| TC0300001521.mm.1 | Adgrl4 | 65.70 | 70.65 | 62.45 | 50.33 | 46.92 | 51.77 |
| TC1300001654.mm.1 | Lrrc16a | 93.18 | 92.94 | 84.12 | 64.33 | 68.05 | 71.45 |
| TC1200000074.mm.1 | Wdr35 | 141.88 | 147.90 | 119.20 | 86.56 | 84.87 | 91.84 |
| TC0400000052.mm.1 | Rab2a | 37008.41 | 38034.65 | 37921.61 | 30146.61 | 26590.82 | 30117.57 |
| TC0600001622.mm.1 | Atf7ip | 1958.95 | 2092.43 | 2145.27 | 1565.15 | 1549.61 | 1704.38 |
| TC0600003601.mm.1 | Foxp1 | 243.37 | 253.89 | 224.86 | 176.07 | 164.61 | 186.66 |
| TC0400003581.mm.1 | Azin2 | 94.73 | 98.24 | 86.89 | 74.29 | 68.41 | 71.17 |
| TC1800000314.mm.1 | Paip2 | 2314.10 | 2328.52 | 2360.44 | 1836.12 | 1590.04 | 1823.17 |
| TC0200001881.mm.1 | Dut | 98.94 | 110.92 | 104.61 | 74.03 | 81.77 | 81.25 |
| TC0700001684.mm.1 | Nucb2 | 2119.12 | 2033.86 | 1966.07 | 1523.73 | 1353.61 | 1582.78 |
| TC0300001229.mm.1 | Alg14 | 1749.63 | 1730.83 | 1598.57 | 1170.00 | 1116.73 | 1315.27 |
| TC0500002508.mm.1 | Apbb2 | 1508.86 | 1524.01 | 1337.96 | 1115.21 | 1069.48 | 1129.66 |
| TC1300001861.mm.1 | Nedd9 | 301.79 | 286.69 | 289.51 | 173.17 | 143.98 | 194.90 |
| TC0500001894.mm.1 | Cyp51 | 495.04 | 496.02 | 437.54 | 287.41 | 270.78 | 336.60 |
| TC0800000088.mm.1 | Col4a2 | 95.55 | 95.43 | 85.20 | 66.50 | 62.68 | 71.10 |
| TC1700001521.mm.1 | Has1 | 61.25 | 62.53 | 61.26 | 44.02 | 51.11 | 46.14 |
| TC1100002550.mm.1 | Ccng1 | 83777.48 | 89389.80 | 70737.13 | 50196.70 | 48661.77 | 53952.15 |
| TC0900000035.mm.1 | Pdgfd | 213.56 | 227.65 | 194.98 | 134.24 | 118.48 | 146.86 |
| TC0900002613.mm.1 | Tcf12 | 391.59 | 394.14 | 369.21 | 305.71 | 269.54 | 302.46 |
| TC0900002921.mm.1 | Mras | 405.98 | 454.81 | 419.88 | 326.24 | 294.60 | 329.66 |
| TC0200004219.mm.1 | Cd44 | 2289.06 | 2276.46 | 2088.45 | 1578.36 | 1369.86 | 1636.98 |
| TC0200003670.mm.1 | Galnt3 | 76.64 | 77.08 | 70.00 | 54.12 | 55.66 | 60.37 |
| TC0100001605.mm.1 | Copa | 18314.44 | 18186.16 | 17465.74 | 14412.24 | 13691.99 | 15342.57 |
| TC0500001106.mm.1 | Pcgf3 | 496.17 | 510.07 | 465.88 | 344.50 | 359.02 | 395.16 |
| TC1100000494.mm.1 | Trim7 | 46.77 | 42.87 | 47.13 | 34.31 | 37.09 | 33.26 |
| TC1400000507.mm.1 | Samd4 | 142.70 | 132.87 | 123.50 | 93.08 | 93.58 | 102.99 |
| TC1000000224.mm.1 | Epb41l2 | 1388.36 | 1505.02 | 1310.45 | 997.98 | 935.15 | 1070.11 |
| TC1500001465.mm.1 | Nudcd1 | 309.94 | 312.18 | 291.19 | 208.51 | 206.91 | 241.68 |
| TC0100003096.mm.1 | Atp2b4; Mir6903 | 213.89 | 225.85 | 198.97 | 153.17 | 135.61 | 158.28 |
| TC1100003217.mm.1 | Hic1 | 30.31 | 32.98 | 30.55 | 25.86 | 23.47 | 23.36 |
| TC1100000081.mm.1 | Aebp1 | 12656.21 | 12026.50 | 12029.09 | 10054.00 | 8709.39 | 9362.05 |
| TC0X00000709.mm.1 | Gdi1 | 919.67 | 886.91 | 866.60 | 632.16 | 645.86 | 730.19 |
| TC1100000601.mm.1 | Aff4 | 1965.77 | 2080.33 | 1863.92 | 1547.12 | 1413.08 | 1560.38 |
| TC1900001130.mm.1 | Ms4a14 | 793.97 | 1053.62 | 733.12 | 327.97 | 373.83 | 433.75 |
| TC0700001660.mm.1 | Arntl | 284.04 | 275.25 | 266.78 | 199.28 | 162.19 | 194.06 |
| TC0500003169.mm.1 | Tpcn1 | 628.56 | 616.92 | 557.48 | 462.75 | 425.29 | 467.26 |
| TC0900001295.mm.1 | Ryk | 4928.57 | 4902.76 | 4345.87 | 3143.06 | 2821.59 | 3425.14 |
| TC0X00000169.mm.1 | Gpr34 | 90.28 | 81.93 | 64.38 | 40.62 | 38.40 | 44.17 |
| TC1500001570.mm.1 | Fbxo32 | 127.08 | 111.36 | 110.30 | 86.48 | 82.79 | 76.07 |
| TC1700002324.mm.1 | Ptprs | 285.99 | 289.03 | 252.13 | 187.19 | 174.71 | 205.00 |
| TC1900000787.mm.1 | Tcf7l2 | 251.74 | 254.45 | 230.91 | 198.83 | 180.90 | 194.77 |
| TC0200002026.mm.1 | Prnd; Prnp; Prn; PRND | 142.85 | 146.68 | 146.21 | 125.91 | 112.91 | 113.97 |
| TC1100001891.mm.1 | Cdr2l | 466.11 | 462.42 | 403.55 | 201.09 | 240.02 | 278.62 |
| TC1700000274.mm.1 | Zfp52 | 706.61 | 780.56 | 708.66 | 396.58 | 310.41 | 444.62 |
| TC0900001675.mm.1 | Ccr5 | 997.26 | 966.92 | 845.75 | 680.09 | 665.30 | 703.45 |
| TC1400002689.mm.1 | Slitrk6 | 72.41 | 65.99 | 52.93 | 34.10 | 35.36 | 37.57 |
| TC0X00001056.mm.1 | Magee1 | 51.39 | 50.41 | 44.14 | 36.57 | 34.14 | 36.24 |
| TC0700004171.mm.1 | Syt17 | 29.21 | 27.81 | 26.10 | 22.81 | 21.05 | 21.78 |
| TC0300000017.mm.1 | Zfhx4 | 108.19 | 123.11 | 98.41 | 71.93 | 69.11 | 75.99 |
| TC0500001724.mm.1 | Fscn1 | 5563.23 | 5282.57 | 4673.22 | 3221.12 | 2600.07 | 3286.19 |
| TC0100000244.mm.1 | Cnnm4 | 187.75 | 186.63 | 180.44 | 157.59 | 148.41 | 139.35 |
| TC0X00001383.mm.1 | Mid2 | 104.66 | 101.21 | 87.53 | 67.46 | 71.53 | 69.91 |
| TC0900000858.mm.1 | Csnk1g1 | 345.29 | 384.67 | 333.72 | 260.53 | 235.41 | 265.63 |

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|-------------------|-------------------|-----------|-----------|-----------|-----------|----------|-----------|
| TC0700002759.mm.1 | Appl1 | 76.01 | 83.81 | 67.36 | 49.12 | 47.38 | 52.88 |
| TC0500002486.mm.1 | Ugdh | 581.61 | 651.38 | 528.98 | 404.36 | 387.09 | 416.99 |
| TC0900001349.mm.1 | Pcbp4 | 729.13 | 653.02 | 590.92 | 457.16 | 402.08 | 437.48 |
| TC0200004107.mm.1 | Slc39a13 | 328.90 | 310.19 | 277.40 | 223.43 | 203.88 | 223.17 |
| TC0100000216.mm.1 | Dst | 428.16 | 454.24 | 406.09 | 289.45 | 274.95 | 329.67 |
| TC1100003667.mm.1 | Fbxl20 | 155.28 | 147.96 | 143.81 | 118.76 | 110.04 | 123.70 |
| TC0800001078.mm.1 | Lpcat2 | 901.94 | 981.98 | 818.76 | 626.11 | 629.38 | 674.33 |
| TC1600000353.mm.1 | Lpp | 843.74 | 930.63 | 749.50 | 518.13 | 530.54 | 589.79 |
| TC1400001315.mm.1 | Farp1 | 903.98 | 828.04 | 733.91 | 547.56 | 476.55 | 552.21 |
| TC0200001006.mm.1 | Dhrs9 | 439.72 | 418.36 | 364.50 | 263.62 | 242.88 | 287.73 |
| TC1000001091.mm.1 | Gm4184 | 135758.00 | 128151.40 | 137639.20 | 105445.90 | 93825.63 | 107057.10 |
| TC0500003054.mm.1 | Ssh1 | 346.11 | 367.90 | 327.61 | 268.71 | 264.73 | 286.61 |
| TC0X00001372.mm.1 | Tbcd8b | 254.06 | 282.99 | 229.57 | 154.17 | 126.80 | 161.58 |
| TC1100000720.mm.1 | Wnt9a | 54.03 | 57.72 | 46.38 | 34.16 | 36.97 | 34.76 |
| TC0300002822.mm.1 | Snx7 | 521.68 | 581.10 | 507.10 | 342.93 | 318.41 | 392.57 |
| TC1400001517.mm.1 | Gm2237 | 57.90 | 59.17 | 60.95 | 45.50 | 38.36 | 44.92 |
| TC1000001138.mm.1 | Ntn4 | 53.97 | 52.56 | 46.40 | 35.23 | 37.99 | 38.56 |
| TC1000002729.mm.1 | Nudt4 | 2830.89 | 2772.08 | 2670.68 | 2090.99 | 1857.15 | 2193.39 |
| TC0400002449.mm.1 | B4galt1 | 7791.45 | 7427.56 | 6981.04 | 4830.52 | 4654.41 | 5649.56 |
| TC0200004512.mm.1 | Slc30a4 | 359.58 | 337.40 | 336.25 | 208.27 | 221.10 | 261.23 |
| TC0100000351.mm.1 | Wdr75 | 930.58 | 901.07 | 824.47 | 681.91 | 631.13 | 702.38 |
| TC1900001505.mm.1 | Tm9sf3 | 4271.40 | 4247.48 | 4151.96 | 3223.64 | 2982.87 | 3500.83 |
| TC1100000730.mm.1 | Mpr1p | 1034.32 | 960.11 | 930.29 | 728.86 | 681.54 | 782.15 |
| TC1400001487.mm.1 | Rarb | 31.14 | 31.34 | 33.36 | 24.00 | 24.66 | 20.82 |
| TC1800000564.mm.1 | Gramd3 | 89.71 | 87.30 | 78.09 | 63.47 | 60.95 | 66.93 |
| TC0100001615.mm.1 | Slamf9 | 240.22 | 230.00 | 188.47 | 143.01 | 137.97 | 144.34 |
| TC1300001781.mm.1 | Tubb2b | 1476.59 | 1645.55 | 1329.90 | 948.54 | 798.38 | 969.48 |
| TC0300000923.mm.1 | Otud7b | 74.56 | 82.73 | 80.62 | 54.88 | 56.55 | 63.48 |
| TC1200001704.mm.1 | Prkd1 | 225.56 | 260.99 | 219.79 | 117.53 | 116.31 | 154.18 |
| TC1000002594.mm.1 | Ckap4 | 818.69 | 786.70 | 764.95 | 528.83 | 544.53 | 632.01 |
| TC0700002644.mm.1 | Axl | 4197.23 | 4071.76 | 3711.62 | 3055.94 | 2740.66 | 3083.48 |
| TC1000000301.mm.1 | Frk | 177.20 | 206.12 | 156.59 | 88.94 | 77.83 | 106.57 |
| TC1600001750.mm.1 | Tfg | 1845.44 | 1926.88 | 1689.52 | 1479.60 | 1415.82 | 1392.82 |
| TC1200001436.mm.1 | Ddx1 | 6696.47 | 7202.69 | 6448.41 | 4819.32 | 4862.74 | 5475.03 |
| TC0500003482.mm.1 | Pdgfa | 170.03 | 158.97 | 149.21 | 124.27 | 122.64 | 130.30 |
| TC0900000550.mm.1 | Sik3 | 668.84 | 659.34 | 597.54 | 516.34 | 470.72 | 505.82 |
| TC0600001793.mm.1 | Tfpi2 | 169.34 | 125.13 | 111.81 | 62.33 | 45.91 | 59.43 |
| TC1000003094.mm.1 | Mettl21b | 97.89 | 91.42 | 82.10 | 65.25 | 55.86 | 62.74 |
| TC1700002541.mm.1 | Fam98a | 408.79 | 436.77 | 442.34 | 305.30 | 264.50 | 324.80 |
| TC1600001053.mm.1 | Sim2 | 73.01 | 68.78 | 75.81 | 58.40 | 50.56 | 55.15 |
| TC0400002945.mm.1 | Ttc39b | 425.33 | 448.58 | 390.39 | 275.98 | 263.63 | 318.23 |
| TC0700003714.mm.1 | Prss23 | 251.75 | 249.27 | 211.58 | 144.49 | 161.28 | 168.77 |
| TC0200001681.mm.1 | Fmn1 | 542.41 | 607.57 | 585.26 | 436.64 | 395.36 | 455.77 |
| TC1600002136.mm.1 | Brwd1 | 120.47 | 126.22 | 117.14 | 92.29 | 89.62 | 101.99 |
| TC1200002138.mm.1 | Gm5662 | 19.78 | 20.51 | 17.77 | 14.98 | 15.25 | 15.28 |
| TC0600003185.mm.1 | Tspan9 | 105.00 | 99.51 | 86.58 | 68.95 | 62.02 | 68.87 |
| TC0100001190.mm.1 | Nuak2 | 128.37 | 129.89 | 133.50 | 95.84 | 95.44 | 109.89 |
| TC1700000752.mm.1 | Zfp57 | 54.80 | 61.19 | 52.99 | 41.81 | 44.74 | 42.95 |
| TC0900001845.mm.1 | Olfm2 | 23.89 | 21.18 | 23.37 | 17.58 | 17.22 | 18.68 |
| TC0900002037.mm.1 | Stt3a | 31236.15 | 27954.30 | 27019.23 | 21809.17 | 21813.52 | 22881.31 |
| TC0300001232.mm.1 | Cnn3 | 30592.94 | 39338.02 | 31691.41 | 14250.24 | 18496.06 | 19176.44 |
| TC0800001928.mm.1 | Hook3 | 397.03 | 437.45 | 398.91 | 292.62 | 258.00 | 313.35 |
| TC0100001581.mm.1 | Adamts4 | 439.66 | 455.22 | 332.51 | 163.00 | 137.96 | 211.98 |
| TC1300002609.mm.1 | Rnf180 | 140.45 | 147.85 | 136.53 | 108.32 | 100.27 | 116.40 |
| TC0200001203.mm.1 | Itgav | 2433.93 | 2396.78 | 2127.35 | 1552.62 | 1420.36 | 1732.89 |
| TC0500000856.mm.1 | Ereg | 205.07 | 191.82 | 169.27 | 111.33 | 102.24 | 130.59 |
| TC0600001002.mm.1 | Gfpt1 | 305.86 | 280.96 | 256.47 | 215.31 | 208.27 | 209.90 |
| TC0900002320.mm.1 | Dmxl2 | 474.12 | 494.66 | 436.49 | 333.73 | 350.17 | 377.43 |
| TC0700001368.mm.1 | Lrrc32 | 7554.83 | 7383.08 | 6043.65 | 4521.38 | 4724.18 | 4103.86 |
| TC1500002186.mm.1 | Fkbp11 | 97.50 | 86.44 | 85.54 | 63.35 | 56.85 | 67.74 |
| TC1200001877.mm.1 | Map4k5 | 507.12 | 538.41 | 451.77 | 333.20 | 296.59 | 359.53 |
| TC0400000519.mm.1 | Tgfb1 | 1114.94 | 1256.21 | 1070.57 | 740.34 | 720.44 | 858.22 |
| TC0500000868.mm.1 | Uso1 | 2015.25 | 2058.35 | 1739.74 | 1229.38 | 1159.33 | 1408.77 |
| TC0700004604.mm.1 | Ctt1 | 782.07 | 787.37 | 699.10 | 513.60 | 448.37 | 557.04 |
| TC0300000210.mm.1 | Skil | 957.66 | 930.89 | 942.72 | 520.17 | 407.25 | 604.25 |
| TC0100000393.mm.1 | Coq10b | 285.16 | 303.30 | 247.33 | 185.34 | 185.88 | 204.16 |
| TC1000000386.mm.1 | Sec63 | 1375.47 | 1406.30 | 1320.95 | 1008.94 | 837.82 | 1021.50 |
| TC0100003477.mm.1 | Uck2 | 249.99 | 195.90 | 182.06 | 93.05 | 62.67 | 97.27 |
| TC0700001372.mm.1 | Prkr1r | 139.59 | 132.88 | 148.17 | 104.74 | 104.34 | 116.30 |
| TC1200000462.mm.1 | Srp54b; Srp54c | 7108.90 | 7641.20 | 7048.54 | 4216.86 | 4297.70 | 5408.49 |
| TC1400002072.mm.1 | Efs | 71.85 | 69.47 | 63.72 | 54.94 | 47.75 | 49.85 |
| TC0X00000916.mm.1 | Msn | 15162.98 | 15808.91 | 14954.33 | 11383.92 | 11775.08 | 13046.99 |
| TC1400002487.mm.1 | Rgcc | 43.94 | 36.03 | 37.04 | 26.56 | 23.78 | 27.37 |

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|-------------------|-------------------|----------|----------|----------|----------|----------|----------|
| TC0800002589.mm.1 | Nfix | 2650.55 | 2672.87 | 2444.95 | 2097.61 | 1853.63 | 2056.31 |
| TC1400001393.mm.1 | Gm3500 | 65.86 | 60.87 | 62.14 | 46.95 | 48.75 | 53.25 |
| TC1100002314.mm.1 | Lgalsl | 1337.10 | 1226.19 | 1237.22 | 909.39 | 809.60 | 986.15 |
| TC1100000794.mm.1 | Ttc19 | 226.42 | 240.44 | 191.17 | 143.97 | 148.43 | 153.84 |
| TC0800001481.mm.1 | Zfpm1 | 141.22 | 125.34 | 115.19 | 85.88 | 80.35 | 92.54 |
| TC0X00003108.mm.1 | Ammecr1 | 2239.69 | 2293.90 | 2069.13 | 1324.70 | 986.90 | 1377.81 |
| TC0200005089.mm.1 | Jph2 | 55.08 | 54.48 | 49.00 | 42.86 | 41.97 | 43.59 |
| TC1000002580.mm.1 | Slc41a2 | 2418.85 | 2418.87 | 2097.41 | 1596.27 | 1668.60 | 1793.55 |
| TC0900000686.mm.1 | Cspg4 | 145.40 | 142.27 | 127.32 | 80.99 | 89.05 | 102.13 |
| TC1400000517.mm.1 | Ktn1 | 100.46 | 115.54 | 110.34 | 77.88 | 75.30 | 86.14 |
| TC0400002717.mm.1 | Ptpn3 | 38.48 | 37.79 | 37.30 | 29.80 | 29.48 | 33.15 |
| TC0600002127.mm.1 | Braf | 248.78 | 292.47 | 246.10 | 183.87 | 173.25 | 195.25 |
| TC0600000850.mm.1 | Ggcx | 483.50 | 450.69 | 387.72 | 298.74 | 291.83 | 316.59 |
| TC0900001903.mm.1 | Zfp599 | 74.88 | 69.81 | 68.32 | 55.83 | 46.85 | 52.98 |
| TC1100000440.mm.1 | Rnf145 | 626.16 | 650.29 | 571.19 | 428.67 | 357.94 | 442.84 |
| TC1100000831.mm.1 | Hs3st3a1 | 48.38 | 50.98 | 44.59 | 36.62 | 35.46 | 31.26 |
| TC0600002773.mm.1 | Lrig1 | 91.16 | 75.68 | 75.73 | 57.21 | 54.79 | 58.66 |
| TC1100002227.mm.1 | Grb10 | 564.73 | 611.80 | 535.71 | 413.35 | 392.73 | 453.93 |
| TC0900001232.mm.1 | Rbp1 | 320.65 | 246.36 | 235.00 | 157.36 | 133.35 | 153.04 |
| TC0300001255.mm.1 | Sec24d | 2863.42 | 2697.57 | 2373.55 | 1686.64 | 1537.74 | 1895.93 |
| TC1100001361.mm.1 | Vezf1 | 2061.12 | 1890.53 | 1834.16 | 1421.51 | 1329.69 | 1545.43 |
| TC0700001669.mm.1 | Pde3b | 323.79 | 330.18 | 311.78 | 199.31 | 148.75 | 206.90 |
| TC1300000362.mm.1 | Serpinb6b | 88.83 | 79.09 | 92.43 | 68.34 | 62.04 | 62.66 |
| TC0700002148.mm.1 | Cdc42ep5 | 247.69 | 229.60 | 188.93 | 147.94 | 132.02 | 136.77 |
| TC1900000082.mm.1 | Ltbp3 | 175.73 | 161.59 | 148.40 | 119.13 | 104.68 | 119.37 |
| TC0500001615.mm.1 | Plod3; Mir702 | 2965.65 | 2898.70 | 2548.13 | 2039.31 | 1919.66 | 2175.00 |
| TC1900000154.mm.1 | Stx5a; Mir6992 | 215.91 | 214.55 | 195.31 | 170.89 | 156.12 | 169.77 |
| TC1500001876.mm.1 | Ddx17 | 2221.04 | 2423.42 | 2102.41 | 1744.56 | 1580.02 | 1754.70 |
| TC0200005471.mm.1 | Ak1 | 1613.61 | 1760.13 | 1677.53 | 1060.58 | 1201.91 | 1309.36 |
| TC0800000916.mm.1 | Tbc1d9 | 963.71 | 908.26 | 870.00 | 643.18 | 621.04 | 736.80 |
| TC0300001342.mm.1 | Dkk2 | 235.54 | 211.41 | 188.29 | 147.73 | 124.55 | 139.36 |
| TC1700001158.mm.1 | Slc30a6 | 570.99 | 607.72 | 504.86 | 413.89 | 401.14 | 426.37 |
| TC1600001976.mm.1 | Adamts5 | 6458.97 | 6462.11 | 5501.18 | 3861.35 | 3286.60 | 4246.41 |
| TC0100003505.mm.1 | Hsd17b7 | 283.49 | 259.62 | 212.05 | 161.76 | 148.27 | 158.28 |
| TC0800001566.mm.1 | Ntpcr | 455.91 | 449.38 | 385.43 | 268.99 | 303.79 | 314.42 |
| TC0700002830.mm.1 | 4931406P16Ri k | 517.16 | 447.29 | 416.24 | 315.80 | 269.67 | 313.24 |
| TC0100003715.mm.1 | Capn2 | 4668.24 | 4664.75 | 4091.90 | 3258.13 | 3262.13 | 3587.88 |
| TC1500002289.mm.1 | Rarg | 97.52 | 98.62 | 88.07 | 73.42 | 74.60 | 79.20 |
| TC0200005030.mm.1 | Tgm2 | 1103.33 | 1086.08 | 938.41 | 765.94 | 745.06 | 809.00 |
| TC0700004595.mm.1 | Osbpl5 | 197.21 | 200.65 | 179.41 | 143.08 | 159.42 | 149.65 |
| TC0500002760.mm.1 | Scarb2 | 905.20 | 953.24 | 863.71 | 663.37 | 585.84 | 711.57 |
| TC0700001879.mm.1 | Tgfb1i1 | 663.16 | 633.22 | 590.45 | 503.70 | 435.81 | 482.38 |
| TC1500000041.mm.1 | Rictor | 760.47 | 855.77 | 692.74 | 457.13 | 408.59 | 530.83 |
| TC1000000193.mm.1 | Vnn1 | 53.49 | 40.27 | 48.70 | 30.74 | 30.09 | 30.84 |
| TC1300001835.mm.1 | Txndc5 | 3538.36 | 3547.74 | 3329.98 | 2421.19 | 2167.55 | 2725.14 |
| TC1400001233.mm.1 | Gm6280 | 23.34 | 21.06 | 21.68 | 18.20 | 17.36 | 16.01 |
| TC0600002935.mm.1 | Sec13 | 1244.81 | 1240.58 | 1078.92 | 887.83 | 814.12 | 919.87 |
| TC1600002168.mm.1 | Vasn | 165.48 | 165.95 | 160.75 | 139.74 | 119.14 | 127.83 |
| TC0700001086.mm.1 | Akap13 | 279.29 | 303.63 | 274.24 | 197.24 | 179.49 | 222.94 |
| TC0200002589.mm.1 | Snai1 | 154.85 | 127.52 | 131.44 | 82.82 | 98.00 | 94.61 |
| TC0200000514.mm.1 | Cercam | 406.31 | 375.24 | 346.80 | 296.50 | 285.44 | 299.05 |
| TC1200000156.mm.1 | Gm3944 | 35.76 | 34.66 | 36.54 | 31.17 | 28.19 | 27.57 |
| TC0300000765.mm.1 | Pbxip1 | 96.64 | 94.02 | 85.88 | 73.79 | 77.81 | 74.07 |
| TC1500000297.mm.1 | Baalc | 24.92 | 29.12 | 24.90 | 17.29 | 18.16 | 20.14 |
| TC0800002169.mm.1 | Stox2 | 73.00 | 66.73 | 58.46 | 46.82 | 42.26 | 46.99 |
| TC1500001207.mm.1 | Rai14 | 464.07 | 440.06 | 398.75 | 319.01 | 279.50 | 329.00 |
| TC1600001679.mm.1 | Pvrl3 | 107.91 | 111.51 | 98.05 | 78.70 | 74.03 | 85.40 |
| TC1400002757.mm.1 | Tmtc4 | 160.17 | 169.71 | 156.48 | 107.75 | 119.15 | 130.79 |
| TC0100003233.mm.1 | Pla2g4a | 1368.75 | 1520.89 | 1418.22 | 1052.65 | 939.29 | 1136.14 |
| TC0500000560.mm.1 | Pcdh7 | 192.89 | 182.23 | 148.81 | 117.83 | 110.90 | 116.58 |
| TC0300000802.mm.1 | S100a16 | 187.18 | 180.31 | 152.71 | 128.45 | 120.55 | 115.87 |
| TC1500001262.mm.1 | Gm5803 | 172.85 | 178.12 | 211.45 | 118.85 | 124.13 | 137.84 |
| TC0200002399.mm.1 | Myl9 | 48992.77 | 44944.04 | 44845.30 | 34494.82 | 29484.78 | 35736.45 |
| TC0600001679.mm.1 | Golt1b | 2477.07 | 2390.53 | 2184.07 | 1591.90 | 1572.21 | 1868.96 |
| TC0900002346.mm.1 | Tspan3 | 1667.69 | 1444.53 | 1378.69 | 982.29 | 991.58 | 1129.95 |
| TC0200004922.mm.1 | Pdrg1 | 185.77 | 205.27 | 189.24 | 146.57 | 144.86 | 163.08 |
| TC1200001261.mm.1 | Inf2 | 342.14 | 321.34 | 287.52 | 233.92 | 231.40 | 249.80 |
| TC1400001741.mm.1 | Ccser2 | 426.63 | 406.77 | 370.95 | 288.87 | 268.65 | 317.81 |
| TC0900000562.mm.1 | Zpr1 | 533.53 | 527.46 | 467.55 | 391.44 | 328.61 | 372.58 |
| TC1600000558.mm.1 | Tmem39a | 628.22 | 594.42 | 546.06 | 400.21 | 379.61 | 461.15 |
| TC0X00000512.mm.1 | 3830403N18R ik | 246.47 | 235.05 | 204.89 | 153.43 | 168.36 | 171.81 |

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|-------------------|------------------------------|-----------|-----------|-----------|----------|----------|----------|
| TC0500002168.mm.1 | Cgref1 | 215.05 | 166.30 | 164.69 | 117.32 | 95.65 | 107.49 |
| TC0900000296.mm.1 | Ets1 | 118.32 | 119.11 | 108.65 | 85.45 | 85.28 | 96.88 |
| TC0900000492.mm.1 | Pvrl1 | 523.27 | 542.30 | 440.82 | 335.28 | 263.85 | 323.45 |
| TC0X00001859.mm.1 | Med14 | 2126.39 | 2367.23 | 2000.33 | 1638.45 | 1664.11 | 1716.01 |
| TC1500000417.mm.1 | D15Ertcd621e | 3156.25 | 3108.07 | 2738.52 | 2339.29 | 2113.50 | 2338.30 |
| TC1100003252.mm.1 | Cpd | 7999.12 | 8170.16 | 7585.37 | 6071.04 | 5904.61 | 6779.85 |
| TC1200000460.mm.1 | Srp54b; Srp54a | 7923.32 | 8689.90 | 7808.40 | 4774.77 | 4790.40 | 6145.87 |
| TC1500001167.mm.1 | Osmr | 2329.70 | 2505.32 | 2168.37 | 1529.29 | 1314.72 | 1713.71 |
| TC0400000439.mm.1 | Creb3 | 691.37 | 674.46 | 608.75 | 546.48 | 522.58 | 538.73 |
| TC0400003361.mm.1 | Plk3 | 556.46 | 523.10 | 474.23 | 346.55 | 325.38 | 397.92 |
| TC0400000889.mm.1 | Gm13271 | 60.23 | 63.29 | 55.82 | 43.58 | 46.39 | 49.31 |
| TC1200000458.mm.1 | Srp54a | 9388.17 | 10370.31 | 9096.00 | 5245.95 | 5472.16 | 7031.61 |
| TC0500000864.mm.1 | Gm1045 | 32.68 | 41.05 | 38.35 | 21.74 | 26.46 | 24.19 |
| TC1500001089.mm.1 | Igfbp6 | 129.41 | 111.01 | 91.86 | 55.18 | 65.69 | 65.99 |
| TC0600001383.mm.1 | Gm8430 | 2021.61 | 1893.14 | 2225.18 | 1420.23 | 1216.22 | 1511.37 |
| TC0900003233.mm.1 | Plcd1 | 359.20 | 344.55 | 273.95 | 205.54 | 171.10 | 205.92 |
| TC0400000529.mm.1 | Nr4a3 | 32.57 | 25.85 | 28.86 | 20.36 | 21.13 | 20.80 |
| TC1000000548.mm.1 | Vsir | 611.80 | 552.64 | 522.84 | 429.20 | 375.19 | 427.56 |
| TC1700000899.mm.1 | Cul7 | 140.73 | 141.22 | 125.11 | 104.94 | 100.70 | 111.95 |
| TC1200000608.mm.1 | Dact1 | 106.89 | 96.73 | 96.99 | 84.74 | 76.45 | 76.02 |
| TC1600001742.mm.1 | Nfkbiz | 179.47 | 172.59 | 166.23 | 136.65 | 134.18 | 150.67 |
| TC0400003241.mm.1 | Gpx7 | 253.69 | 235.51 | 201.82 | 147.47 | 166.48 | 159.96 |
| TC1700000496.mm.1 | Cdkn1a | 120705.00 | 123092.00 | 105145.90 | 91087.90 | 84338.35 | 90277.21 |
| TC0300002664.mm.1 | Wnt2b | 52.62 | 59.68 | 46.76 | 34.72 | 38.18 | 36.51 |
| TC0100003487.mm.1 | Pbx1 | 129.28 | 117.39 | 108.89 | 91.16 | 86.57 | 93.71 |
| TC1100002429.mm.1 | Sptbn1 | 2395.52 | 2523.49 | 2242.14 | 1791.40 | 1905.45 | 2000.05 |
| TC0400003483.mm.1 | D830031N03 Rik; Macf1 | 1216.70 | 1413.48 | 1215.60 | 904.76 | 849.01 | 996.91 |
| TC1300001812.mm.1 | Nrn1 | 280.12 | 282.62 | 227.83 | 142.07 | 159.30 | 182.25 |
| TC1800001640.mm.1 | Setbp1 | 168.40 | 166.84 | 149.23 | 110.66 | 111.39 | 130.11 |
| TC0900002480.mm.1 | Smad3 | 176.15 | 188.46 | 167.33 | 133.89 | 129.31 | 147.88 |
| TC1800000741.mm.1 | Tcf4 | 943.92 | 958.86 | 807.90 | 636.37 | 530.53 | 643.04 |
| TC1400002106.mm.1 | Sdr39u1 | 106.91 | 88.71 | 93.27 | 69.53 | 74.59 | 71.57 |
| TC0900002283.mm.1 | Layn | 2053.91 | 2041.46 | 1915.54 | 1686.46 | 1423.80 | 1510.77 |
| TC1300002435.mm.1 | Jmy | 108.84 | 112.05 | 101.26 | 80.23 | 66.60 | 81.54 |
| TC1800000015.mm.1 | 9430020K01Ri k | 209.66 | 198.51 | 179.41 | 141.28 | 133.02 | 155.54 |
| TC1300002471.mm.1 | Polk | 500.46 | 494.53 | 442.22 | 358.08 | 290.32 | 347.28 |
| TC0100003093.mm.1 | Zbed6; Zc3h11a | 1498.31 | 1593.93 | 1456.75 | 1135.53 | 963.48 | 1183.42 |
| TC1400001311.mm.1 | Gm17613; LOC10086201 4 | 119.44 | 143.33 | 134.90 | 94.76 | 80.32 | 96.40 |
| TC0800000192.mm.1 | Gm6483 | 1449.97 | 1569.42 | 1508.87 | 1038.44 | 833.09 | 1103.75 |
| TC0600001087.mm.1 | Tmem43 | 2178.93 | 2092.38 | 1877.85 | 1444.40 | 1362.38 | 1624.57 |
| TC0300003231.mm.1 | Arfp1 | 291.31 | 251.21 | 250.18 | 189.35 | 170.92 | 203.19 |
| TC0X00000012.mm.1 | Gm3750; Gm3706 | 17.63 | 17.17 | 15.12 | 11.32 | 12.64 | 12.93 |
| TC0200005164.mm.1 | Sulf2 | 1988.13 | 1897.32 | 1739.95 | 1412.18 | 1211.59 | 1444.74 |
| TC0900000210.mm.1 | Prkcsh | 2101.94 | 1916.51 | 1875.81 | 1477.99 | 1298.11 | 1557.39 |
| TC0100000334.mm.1 | Erc5 | 73.44 | 72.32 | 64.85 | 57.02 | 55.22 | 58.78 |
| TC0300003087.mm.1 | Cyr61 | 61055.75 | 56713.21 | 54807.49 | 40779.31 | 39905.21 | 47367.33 |
| TC0700003442.mm.1 | Mef2a | 5619.01 | 6298.24 | 5433.82 | 3531.88 | 3189.25 | 4270.17 |
| TC1900000685.mm.1 | Gbf1 | 723.22 | 744.56 | 665.62 | 549.15 | 520.89 | 596.62 |
| TC0100001189.mm.1 | Klhdc8a | 74.91 | 69.01 | 68.12 | 53.20 | 59.89 | 52.12 |
| TC1500000104.mm.1 | Golph3 | 196.65 | 180.82 | 176.24 | 151.52 | 131.00 | 145.25 |
| TC0900001486.mm.1 | Epm2aip1 | 237.78 | 226.66 | 225.81 | 172.46 | 141.25 | 176.86 |
| TC1400002841.mm.1 | Gm3468 | 54.02 | 53.44 | 60.33 | 39.52 | 42.09 | 45.89 |
| TC0200004924.mm.1 | Gm20094 | 71653.33 | 66445.34 | 78751.95 | 56074.26 | 52865.77 | 47546.39 |
| TC1400002103.mm.1 | Ripk3 | 1441.88 | 1426.77 | 1138.88 | 940.15 | 888.98 | 918.17 |
| TC1100000459.mm.1 | Clint1 | 1252.21 | 1265.85 | 1132.72 | 905.50 | 971.17 | 1018.00 |
| TC0900001674.mm.1 | Ccr2 | 58.72 | 71.74 | 51.87 | 36.21 | 37.69 | 39.75 |
| TC1100001660.mm.1 | Nbr1 | 423.07 | 428.59 | 383.23 | 338.30 | 316.96 | 346.44 |
| TC0900000131.mm.1 | Gm5611 | 262.68 | 263.20 | 211.87 | 179.91 | 163.10 | 163.34 |
| TC1500001403.mm.1 | Ubr5 | 993.49 | 1082.62 | 930.87 | 673.09 | 653.16 | 793.34 |
| TC0700000007.mm.1 | Cacng7 | 280.64 | 284.94 | 259.36 | 215.02 | 215.19 | 238.23 |
| TC1500002067.mm.1 | Cpne8 | 169.89 | 194.24 | 175.43 | 112.77 | 92.82 | 128.80 |
| TC0700003648.mm.1 | Cemip | 3835.07 | 3869.81 | 3513.58 | 2854.52 | 2688.94 | 3142.68 |
| TC0700002507.mm.1 | Pvr | 746.11 | 681.88 | 600.67 | 485.36 | 461.29 | 512.24 |
| TC0900002981.mm.1 | Uba5 | 1444.65 | 1392.78 | 1377.33 | 1090.72 | 982.68 | 1183.33 |
| TC1500001008.mm.1 | Spats2 | 180.82 | 202.07 | 173.75 | 136.88 | 140.42 | 152.14 |
| TC0700000720.mm.1 | Vstm2b | 72.49 | 63.81 | 67.57 | 56.55 | 52.29 | 49.23 |
| TC0900002869.mm.1 | Trpc1 | 55.33 | 58.92 | 52.42 | 46.07 | 39.13 | 39.74 |

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|-------------------|-------------------------|----------|----------|----------|----------|----------|----------|
| TC0900001672.mm.1 | Cxcr6 | 70.58 | 70.37 | 49.77 | 37.87 | 33.45 | 30.03 |
| TC0500003116.mm.1 | Hspb8 | 627.46 | 527.49 | 536.57 | 349.49 | 288.35 | 395.15 |
| TC0800000871.mm.1 | Slc10a7 | 372.08 | 369.44 | 310.90 | 243.53 | 239.28 | 271.90 |
| TC0200002359.mm.1 | ltch | 565.11 | 509.43 | 508.01 | 393.96 | 363.20 | 432.76 |
| TC1100000789.mm.1 | Specc1 | 369.09 | 345.29 | 317.25 | 270.49 | 259.62 | 283.71 |
| TC1600000097.mm.1 | 1810013L24Rik | 3256.70 | 2673.72 | 2780.54 | 2200.82 | 1861.24 | 2014.72 |
| TC0400003000.mm.1 | Hacd4 | 3985.58 | 3723.97 | 3452.54 | 2915.85 | 2732.34 | 3066.30 |
| TC0200001015.mm.1 | Ubr3 | 411.94 | 408.12 | 371.25 | 296.17 | 304.91 | 337.43 |
| TC0900001408.mm.1 | Lamb2 | 463.83 | 443.33 | 383.80 | 299.72 | 278.10 | 330.69 |
| TC1400001418.mm.1 | Gm6356 | 52.44 | 47.52 | 59.89 | 38.77 | 34.15 | 30.95 |
| TC1000000708.mm.1 | Bcr | 130.92 | 124.41 | 111.02 | 86.93 | 79.61 | 95.90 |
| TC0800001050.mm.1 | Chd9 | 487.37 | 559.21 | 473.36 | 364.24 | 339.18 | 399.04 |
| TC0100000462.mm.1 | Bmpr2 | 1803.68 | 2186.27 | 1671.95 | 1164.79 | 1216.07 | 1341.63 |
| TC1800000543.mm.1 | Csnk1g3 | 828.84 | 798.55 | 745.17 | 608.63 | 605.04 | 679.93 |
| TC1200000751.mm.1 | Smoc1 | 390.01 | 359.52 | 351.88 | 254.09 | 192.24 | 256.40 |
| TC0500002386.mm.1 | Adgra3; Adgra2 | 291.90 | 274.41 | 229.28 | 159.75 | 161.04 | 193.00 |
| TC1300000958.mm.1 | Arrdc3 | 165.33 | 153.92 | 137.50 | 103.97 | 89.28 | 113.15 |
| TC1400002469.mm.1 | Tnfsf11 | 63.02 | 47.80 | 54.75 | 33.61 | 37.07 | 38.61 |
| TC1400002853.mm.1 | Gm2897 | 60.29 | 52.99 | 52.20 | 44.58 | 37.97 | 38.89 |
| TC1600000448.mm.1 | Tnk2 | 157.72 | 167.59 | 139.73 | 120.14 | 122.23 | 113.10 |
| TC1700002298.mm.1 | Pot1b | 74.41 | 69.81 | 71.43 | 63.28 | 56.16 | 55.29 |
| TC1300002015.mm.1 | Ror2 | 69.56 | 59.58 | 62.33 | 41.43 | 47.45 | 49.66 |
| TC1100003538.mm.1 | Tom11 | 115.87 | 106.45 | 91.68 | 70.85 | 60.37 | 74.31 |
| TC1200001912.mm.1 | Six1 | 103.36 | 115.10 | 101.24 | 81.48 | 72.47 | 85.67 |
| TC0600001083.mm.1 | Fbln2 | 4726.23 | 4665.77 | 4001.83 | 2962.54 | 2831.21 | 3469.70 |
| TC0500003136.mm.1 | Fbxw8 | 680.55 | 658.90 | 583.71 | 523.32 | 515.85 | 509.15 |
| TC1200000134.mm.1 | Rock2 | 1592.51 | 1791.28 | 1490.16 | 1122.65 | 989.54 | 1233.11 |
| TC0200003579.mm.1 | Acvr1 | 127.59 | 127.86 | 111.60 | 101.06 | 98.42 | 98.20 |
| TC0700000005.mm.1 | Myadm | 41689.32 | 40366.82 | 35907.49 | 30827.86 | 27407.12 | 31188.24 |
| TC1300000460.mm.1 | Gcnt2 | 272.32 | 242.73 | 238.94 | 163.50 | 164.96 | 201.15 |
| TC1000001328.mm.1 | Zfc3h1 | 798.77 | 954.70 | 826.25 | 551.06 | 496.53 | 646.61 |
| TC0900002276.mm.1 | 2310030G06Rik | 68.25 | 49.52 | 54.63 | 31.92 | 38.72 | 31.83 |
| TC0900000100.mm.1 | Sesn3 | 170.09 | 176.38 | 134.75 | 107.79 | 99.66 | 111.35 |
| TC0600002683.mm.1 | Sec61a1 | 829.78 | 806.05 | 715.99 | 632.04 | 642.06 | 641.68 |
| TC0500000402.mm.1 | Afap1 | 94.55 | 89.72 | 86.46 | 68.25 | 60.33 | 74.19 |
| TC1400002325.mm.1 | R3hcc1 | 137.10 | 147.73 | 117.63 | 97.43 | 97.43 | 100.98 |
| TC1600000440.mm.1 | Tm4sf19 | 126.67 | 111.26 | 99.99 | 66.09 | 65.30 | 82.69 |
| TC0400000458.mm.1 | Glpr2 | 572.49 | 481.47 | 571.13 | 370.51 | 348.75 | 420.80 |
| TC1200000996.mm.1 | 9030617O03Rik | 105.41 | 112.71 | 100.36 | 79.50 | 76.92 | 89.88 |
| TC0700001893.mm.1 | Sec23ip | 1663.70 | 1615.14 | 1464.99 | 1201.33 | 1037.26 | 1255.15 |
| TC1600001879.mm.1 | 4930423O20Rik | 315.19 | 360.84 | 326.81 | 265.57 | 209.41 | 230.25 |
| TC1400000975.mm.1 | Entpd4 | 215.15 | 207.41 | 183.13 | 161.55 | 156.29 | 164.34 |
| TC0900002212.mm.1 | Tagln | 30167.29 | 30027.84 | 24557.48 | 19870.79 | 20722.36 | 21196.30 |
| TC0500001026.mm.1 | Pkd2 | 387.12 | 395.82 | 348.57 | 286.92 | 274.83 | 316.59 |
| TC1100000475.mm.1 | Havcr2 | 829.12 | 811.68 | 727.68 | 608.32 | 458.22 | 523.97 |
| TC1600001939.mm.1 | Btg3; Gm7334 | 1355.89 | 1270.96 | 1379.78 | 975.48 | 797.71 | 1032.43 |
| TC0300001035.mm.1 | Tspan2 | 38.67 | 41.55 | 34.30 | 29.51 | 28.28 | 30.21 |
| TC1300002335.mm.1 | Rhobtb3 | 257.57 | 264.56 | 215.69 | 186.24 | 158.63 | 174.69 |
| TC0700001689.mm.1 | Xylt1 | 474.98 | 461.84 | 426.11 | 325.28 | 316.31 | 380.39 |
| TC1400002117.mm.1 | Gzmg | 82.68 | 67.28 | 84.20 | 55.60 | 57.16 | 56.72 |
| TC0700001362.mm.1 | Pak1 | 913.32 | 950.53 | 815.63 | 702.57 | 664.05 | 736.87 |
| TC0700001767.mm.1 | Gm20274 | 128.21 | 127.75 | 105.72 | 93.37 | 87.51 | 86.91 |
| TC1400002336.mm.1 | Slc39a14 | 204.85 | 199.42 | 189.03 | 158.68 | 131.76 | 157.17 |
| TC0900001473.mm.1 | Prss46 | 154.95 | 161.06 | 147.29 | 93.37 | 109.26 | 122.18 |
| TC1700001178.mm.1 | Crim1 | 1426.18 | 1311.99 | 1150.37 | 910.30 | 788.91 | 963.36 |
| TC0400002016.mm.1 | Acot7 | 468.79 | 426.81 | 393.56 | 308.49 | 292.79 | 345.65 |
| TC0300001932.mm.1 | Pcdh18 | 72.72 | 88.70 | 61.41 | 43.21 | 42.54 | 48.39 |
| TC1100000937.mm.1 | Dlg4 | 120.42 | 119.04 | 102.03 | 88.00 | 80.90 | 90.18 |
| TC1700000474.mm.1 | Ppard; 1810013A23Rik | 234.81 | 240.14 | 203.76 | 172.95 | 177.40 | 183.79 |
| TC1100001834.mm.1 | Prkar1a | 858.39 | 841.71 | 777.70 | 645.24 | 621.80 | 714.80 |
| TC0X00001939.mm.1 | Zfp300 | 35.36 | 35.92 | 31.33 | 28.58 | 28.22 | 27.61 |
| TC0800001269.mm.1 | Nfat5 | 469.76 | 532.05 | 490.53 | 364.54 | 296.66 | 378.42 |
| TC1300000934.mm.1 | 2210408I21Rik | 52.69 | 53.44 | 47.63 | 40.96 | 34.02 | 39.71 |
| TC1200001757.mm.1 | Cfl2 | 1768.37 | 1701.35 | 1395.49 | 1049.22 | 1179.81 | 1162.89 |
| TC0900002284.mm.1 | 4833427G06Rik | 59.46 | 57.77 | 60.90 | 43.91 | 35.08 | 45.70 |

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|-------------------------|---|----------|----------|----------|----------|----------|----------|
| TC1200001262.mm.1 | Adssl1 | 291.46 | 269.37 | 266.18 | 197.34 | 211.24 | 235.09 |
| TC0900002123.mm.1 | Arhgef12 | 233.72 | 242.66 | 203.88 | 170.22 | 159.10 | 182.08 |
| TC0X00003000.mm.1 | Armxc2 | 110.65 | 107.85 | 90.28 | 79.85 | 73.05 | 75.45 |
| TC1400001990.mm.1 | Klhl33 | 20.87 | 16.95 | 20.68 | 13.91 | 13.70 | 14.93 |
| TC1000002236.mm.1 | Unc5b | 553.32 | 499.57 | 477.16 | 377.07 | 290.83 | 363.89 |
| TC1400001346.mm.1 | Itgbl1 | 107.55 | 95.17 | 83.98 | 64.44 | 65.11 | 72.34 |
| TC1400001900.mm.1 | Gnpnat1 | 230.12 | 244.59 | 189.73 | 159.15 | 141.31 | 157.26 |
| TC0400003329.mm.1 | Nsun4 | 103.86 | 104.42 | 99.00 | 76.83 | 71.51 | 87.66 |
| TC1100002449.mm.1 | Erlec1 | 1140.14 | 1022.84 | 1077.31 | 827.98 | 658.52 | 816.06 |
| TC0400004219.mm.1 | B4galt2 | 154.20 | 138.76 | 131.98 | 116.26 | 98.27 | 102.28 |
| TC0400000894.mm.1 | Gm13272; Gm13285; Gm13290; Gm13289 | 32.00 | 29.44 | 31.73 | 26.62 | 23.09 | 25.55 |
| TC0400002469.mm.1 | Al464131 | 42.27 | 42.93 | 38.63 | 35.15 | 30.42 | 33.03 |
| TC0400003537.mm.1 | Ago3 | 376.06 | 395.23 | 332.94 | 273.23 | 263.43 | 300.51 |
| TC1200000083.mm.1 | Osr1 | 1288.13 | 1329.36 | 981.78 | 598.98 | 658.66 | 804.92 |
| TC1500000805.mm.1 | Atxn10 | 11711.93 | 11308.55 | 10722.06 | 8897.01 | 8684.54 | 9912.81 |
| TC0900000019.mm.1 | Gucy1a2 | 46.08 | 52.25 | 40.51 | 34.56 | 30.17 | 32.09 |
| TC0300000972.mm.1 | Sec22b | 312.43 | 295.54 | 272.40 | 195.55 | 164.19 | 223.48 |
| TC1000003032.mm.1 | Msr3 | 1224.42 | 1307.86 | 1061.42 | 865.86 | 852.61 | 945.01 |
| TC0900000124.mm.1 | Smco4 | 52.80 | 54.75 | 51.62 | 46.20 | 38.57 | 41.17 |
| TC0800003222.mm.1 | 6820431F20Ri k; Gm21092 | 3273.39 | 3756.94 | 3131.09 | 2292.26 | 1966.06 | 2560.05 |
| TC1300000054.mm.1 | Dip2c | 230.44 | 229.08 | 215.03 | 182.73 | 164.60 | 193.55 |
| TC0200000636.mm.1 | Gsn | 713.43 | 686.42 | 607.81 | 465.94 | 434.66 | 537.33 |
| TC1600001461.mm.1 | Atp13a3 | 1114.11 | 1156.20 | 1039.11 | 852.87 | 781.56 | 933.65 |
| TC1300001789.mm.1 | Pxdc1 | 161.44 | 166.21 | 134.58 | 113.77 | 90.68 | 105.79 |
| TC1600001604.mm.1 | Pla1a | 99.75 | 90.89 | 82.93 | 71.60 | 58.87 | 66.16 |
| TC1100003019.mm.1 | Ndel1 | 399.91 | 415.27 | 355.33 | 307.64 | 284.92 | 320.76 |
| TC1700000563.mm.1 | Cyp4f17 | 145.52 | 145.99 | 139.60 | 102.62 | 101.79 | 123.77 |
| TC1100000039.mm.1 | Gatsl3 | 310.31 | 256.93 | 248.79 | 197.38 | 161.54 | 191.54 |
| TC1400000980.mm.1 | Entpd4; Gm21685 | 343.58 | 344.30 | 296.05 | 257.80 | 251.93 | 270.89 |
| TC1400000958.mm.1 | Ebf2 | 88.42 | 77.14 | 68.51 | 57.62 | 55.45 | 56.93 |
| TC1000002612.mm.1 | Rtcb | 1996.21 | 1970.99 | 1676.05 | 1102.55 | 1141.10 | 1444.77 |
| TC0900001155.mm.1 | Ctsh | 5137.80 | 4774.17 | 4534.35 | 3445.42 | 3021.04 | 3872.12 |
| TC0500003048.mm.1 | Tmem119 | 460.50 | 411.60 | 327.96 | 267.73 | 246.54 | 257.56 |
| TC0600000308.mm.1 | Exoc4 | 549.98 | 569.58 | 536.24 | 429.39 | 432.72 | 492.96 |
| TC1100003072.mm.1 | Kctd11 | 150.13 | 162.03 | 138.97 | 92.84 | 91.19 | 118.79 |
| TC0200002293.mm.1 | Rem1 | 104.32 | 105.42 | 91.57 | 75.47 | 65.51 | 79.87 |
| TC0500000195.mm.1 | Kmt2e | 1562.65 | 1726.84 | 1510.27 | 1257.10 | 1139.68 | 1330.51 |
| TC1500001971.mm.1 | Arfgap3 | 310.90 | 295.06 | 261.64 | 218.51 | 195.25 | 230.83 |
| TC0400001250.mm.1 | Pik3r3 | 216.62 | 202.01 | 193.34 | 154.37 | 131.59 | 164.40 |
| TC1100002288.mm.1 | Actr2 | 8905.05 | 8828.37 | 8528.28 | 6990.76 | 7059.63 | 7937.12 |
| TC0100000372.mm.1 | Sdpr | 681.83 | 687.03 | 466.26 | 221.45 | 207.58 | 349.85 |
| TC1100000025.mm.1 | Dusp18 | 156.36 | 149.55 | 124.53 | 105.68 | 108.06 | 96.80 |
| TC0400003456.mm.1 | Rlf | 435.03 | 433.81 | 371.64 | 308.19 | 249.12 | 306.48 |
| TC1300000476.mm.1 | Hivep1 | 242.01 | 245.26 | 219.23 | 192.51 | 181.38 | 203.38 |
| TC1400002832.mm.1 | Pabpn1 | 682.97 | 667.95 | 617.91 | 523.85 | 518.18 | 579.39 |
| TC0200001053.mm.1 | Zak | 237.87 | 226.38 | 223.59 | 172.05 | 174.91 | 202.22 |
| TC0800001872.mm.1 | Polb | 200.91 | 205.53 | 187.47 | 160.70 | 143.03 | 168.27 |
| TC0700000399.mm.1 | Gm9844 | 28498.37 | 27718.20 | 31669.69 | 21997.44 | 16509.44 | 20729.96 |
| TC0500000648.mm.1 | Slc30a9 | 450.89 | 442.21 | 405.16 | 325.18 | 283.01 | 353.97 |
| TC1200001715.mm.1 | Strn3 | 897.88 | 1021.86 | 864.82 | 673.09 | 597.66 | 737.55 |
| TC0100001611.mm.1 | Kcnj10 | 959.31 | 853.23 | 742.65 | 618.92 | 541.90 | 619.87 |
| TC0200000574.mm.1 | Golga2 | 218.79 | 212.84 | 211.29 | 151.21 | 165.22 | 185.79 |
| TC0500000112.mm.1 | Cacna2d1 | 168.82 | 147.58 | 133.79 | 102.22 | 90.68 | 113.31 |
| TC1300000924.mm.1 | Ttc37 | 330.99 | 336.80 | 317.90 | 258.90 | 240.44 | 288.10 |
| TC1300000364.mm.1 | Serp1b9 | 113.77 | 109.51 | 100.99 | 93.85 | 84.76 | 82.38 |
| TC0800000328.mm.1 | Plpp5 | 442.90 | 439.94 | 363.96 | 314.99 | 262.99 | 302.46 |
| TC0600001736.mm.1 | Stk38l | 501.09 | 504.49 | 495.75 | 383.56 | 304.41 | 393.02 |
| TC1400002843.mm.1 | Gm3411 | 45.64 | 39.04 | 44.52 | 31.42 | 34.32 | 35.29 |
| TC1100004196.mm.1 | Slc38a10 | 441.12 | 475.87 | 398.73 | 309.69 | 310.39 | 360.44 |
| TC0800001031.mm.1 | Adcy7 | 1276.70 | 1262.69 | 1139.42 | 897.20 | 860.30 | 1038.18 |
| TC1500002059.mm.1 | Rabl2 | 304.23 | 288.92 | 240.46 | 193.14 | 206.07 | 210.35 |
| TC0500000896.mm.1 | Ccng2 | 96.36 | 95.95 | 92.48 | 76.21 | 66.05 | 80.71 |
| TC0400000613.mm.1 | Rad23b | 8886.23 | 8508.04 | 7774.79 | 6250.57 | 5309.91 | 6725.38 |
| TC1500002209.mm.1 | Fmnl3 | 522.46 | 478.63 | 470.32 | 359.75 | 307.85 | 397.75 |
| TC0500001909.mm.1 | Cldn12 | 70.87 | 81.98 | 81.15 | 64.09 | 62.21 | 65.40 |
| TC0800000368.mm.1 | Rnf122 | 71.72 | 60.63 | 56.41 | 42.21 | 33.67 | 44.71 |
| TSUnmapped00000001.mm.1 | Plpp2 | 354.24 | 308.03 | 320.70 | 238.62 | 230.74 | 276.24 |
| TC0800002145.mm.1 | Fam149a | 495.65 | 458.68 | 419.18 | 345.82 | 284.52 | 352.60 |
| TC0300002406.mm.1 | Lce1f | 47.55 | 49.90 | 46.06 | 22.35 | 35.06 | 22.27 |

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|-------------------------|------------------------------|----------|----------|----------|----------|----------|----------|
| TC0500002231.mm.1 | Mxd4 | 683.70 | 624.26 | 558.73 | 455.08 | 456.73 | 506.24 |
| TC0500002432.mm.1 | LOC432823 | 582.48 | 678.55 | 562.42 | 462.55 | 378.69 | 453.20 |
| TC0700001275.mm.1 | Picalm | 30732.23 | 31765.40 | 29081.71 | 23672.83 | 20935.16 | 25851.12 |
| TC0600003020.mm.1 | Erc1 | 190.39 | 204.36 | 186.03 | 148.35 | 139.13 | 167.69 |
| TC0400001957.mm.1 | Clstn1 | 188.42 | 171.94 | 167.79 | 136.12 | 131.58 | 152.78 |
| TC0700004119.mm.1 | Dkk3 | 932.26 | 929.04 | 840.55 | 741.94 | 618.01 | 720.75 |
| TC0400000834.mm.1 | Snapc3 | 344.06 | 388.00 | 334.77 | 259.66 | 218.63 | 280.42 |
| TC0300000925.mm.1 | Mtmr11 | 60.10 | 60.61 | 57.25 | 46.81 | 41.63 | 51.11 |
| TC1200001106.mm.1 | Hhipl1 | 193.81 | 187.41 | 144.19 | 112.25 | 83.93 | 112.08 |
| TC1600000890.mm.1 | Gm17333; LOC10086229 9 | 52.34 | 56.81 | 56.77 | 43.85 | 32.27 | 39.18 |
| TC0300002025.mm.1 | Wwtr1 | 151.50 | 131.83 | 117.88 | 82.79 | 62.54 | 91.42 |
| TC1800000599.mm.1 | Chsy3 | 60.47 | 47.91 | 45.83 | 35.60 | 37.47 | 34.32 |
| TSUnmapped00000005.mm.1 | Amot | 116.97 | 103.25 | 102.63 | 70.13 | 59.15 | 83.27 |
| TC0600000215.mm.1 | Snd1 | 484.07 | 492.62 | 441.00 | 354.31 | 355.29 | 410.82 |
| TC0900001905.mm.1 | Zfp810 | 142.84 | 138.76 | 133.05 | 101.56 | 77.51 | 104.77 |
| TC0700000963.mm.1 | Atp5l-ps1 | 1102.68 | 874.77 | 1018.16 | 736.76 | 556.87 | 673.30 |
| TC0500000289.mm.1 | Ept1 | 609.39 | 622.93 | 516.06 | 400.17 | 412.13 | 471.45 |
| TC0100000323.mm.1 | Nck2 | 109.31 | 104.04 | 91.38 | 79.41 | 84.21 | 78.86 |
| TC0800002471.mm.1 | Large | 892.10 | 840.00 | 745.53 | 625.35 | 567.21 | 672.18 |
| TC0500001328.mm.1 | Tbx5 | 32.50 | 27.04 | 31.68 | 21.66 | 24.82 | 22.65 |
| TC0200000274.mm.1 | Plxdc2 | 3784.25 | 3837.14 | 3206.74 | 2644.67 | 2363.09 | 2874.19 |
| TC0200002136.mm.1 | Dstn | 23511.39 | 22807.33 | 20571.39 | 15625.47 | 15896.85 | 18878.80 |
| TC0900000090.mm.1 | Maml2 | 845.84 | 909.44 | 782.85 | 665.89 | 661.14 | 729.20 |
| TC1000002265.mm.1 | Ddx50 | 143.26 | 158.90 | 130.89 | 113.83 | 100.54 | 114.34 |
| TC0800000441.mm.1 | D8Ertcd82e | 75.75 | 65.99 | 64.57 | 52.03 | 47.38 | 56.56 |
| TC0400003417.mm.1 | Zfp691 | 140.55 | 121.20 | 137.46 | 112.33 | 109.71 | 109.84 |
| TC0900001128.mm.1 | Nt5e | 172.73 | 163.82 | 144.24 | 118.34 | 107.33 | 130.28 |
| TC0300002595.mm.1 | Ptgfrn | 311.80 | 298.73 | 259.48 | 172.42 | 145.92 | 217.00 |
| TC1500000021.mm.1 | Prkaa1 | 3816.27 | 3633.61 | 3200.10 | 2511.78 | 2255.04 | 2863.08 |
| TC1100003770.mm.1 | P3h4 | 1911.79 | 1817.29 | 1725.55 | 1372.45 | 1277.80 | 1569.67 |
| TC0700003783.mm.1 | Emsy | 810.07 | 839.88 | 701.02 | 601.89 | 508.60 | 611.42 |
| TC0500000021.mm.1 | Akap9 | 110.34 | 137.58 | 113.71 | 87.20 | 85.16 | 95.39 |
| TC0900002779.mm.1 | Pgm3 | 196.91 | 221.91 | 184.53 | 138.95 | 134.92 | 165.21 |
| TC0400000084.mm.1 | Trp53inp1 | 675.21 | 712.51 | 621.37 | 508.32 | 418.44 | 533.36 |
| TC0900001725.mm.1 | 9230110C19R ik | 54.94 | 52.23 | 50.70 | 35.66 | 34.94 | 44.82 |
| TC1800000805.mm.1 | Smad7 | 76.95 | 80.72 | 70.12 | 62.37 | 48.41 | 55.00 |
| TC0100003380.mm.1 | Suco | 435.39 | 484.41 | 387.67 | 285.69 | 266.24 | 343.45 |
| TC0500000532.mm.1 | Pi4k2b | 168.28 | 173.58 | 152.53 | 109.49 | 100.45 | 134.93 |
| TC1000002725.mm.1 | Socs2 | 100.65 | 95.79 | 86.71 | 72.25 | 70.77 | 81.15 |
| TC0100003302.mm.1 | BC034090 | 46.21 | 40.79 | 38.29 | 32.60 | 32.22 | 34.68 |
| TC1200001527.mm.1 | 9030624G23R ik | 105.79 | 92.00 | 93.08 | 69.53 | 58.40 | 77.18 |
| TC0400000248.mm.1 | Map3k7 | 621.73 | 551.81 | 527.36 | 439.13 | 423.35 | 480.30 |
| TC0X00000316.mm.1 | Il13ra1 | 5674.09 | 5476.99 | 4706.35 | 4048.52 | 4008.54 | 4367.99 |
| TC0800001289.mm.1 | Zfhx3 | 1021.98 | 952.02 | 896.95 | 712.33 | 631.11 | 799.16 |
| TC1100002921.mm.1 | Ulk2 | 537.56 | 554.30 | 461.87 | 392.78 | 332.33 | 406.71 |
| TC1400002866.mm.1 | Gzmc | 52.69 | 42.48 | 45.59 | 36.82 | 31.33 | 28.02 |
| TC0900001724.mm.1 | Yap1 | 151.39 | 140.61 | 131.87 | 101.27 | 96.98 | 120.18 |
| TC0500002840.mm.1 | Plac8 | 210.38 | 185.36 | 211.13 | 145.23 | 159.49 | 171.55 |
| TC1600000392.mm.1 | Hes1 | 133.31 | 120.78 | 129.50 | 95.68 | 91.40 | 111.65 |
| TC1400000130.mm.1 | Top2b | 420.65 | 465.36 | 402.61 | 333.45 | 293.07 | 357.29 |
| TC1600000335.mm.1 | St6gal1 | 674.37 | 617.26 | 574.16 | 442.98 | 432.21 | 525.09 |
| TC0200001072.mm.1 | Scrn3 | 143.78 | 128.78 | 138.90 | 108.97 | 99.46 | 119.12 |
| TC0X00003146.mm.1 | Lrch2 | 65.62 | 62.78 | 53.93 | 41.99 | 38.71 | 49.07 |
| TC1000002592.mm.1 | Nuak1 | 2638.16 | 2601.34 | 2220.71 | 1928.62 | 1784.51 | 2054.41 |
| TC1700001598.mm.1 | Tnfrsf12a | 441.73 | 429.77 | 347.74 | 178.68 | 182.24 | 288.84 |
| TC0400000532.mm.1 | Msantd3 | 49.35 | 55.39 | 58.78 | 46.02 | 39.86 | 41.46 |
| TC0100000021.mm.1 | Rb1cc1 | 255.42 | 274.84 | 223.12 | 184.89 | 154.47 | 194.42 |
| TC1300002629.mm.1 | Zswim6 | 4420.96 | 4195.28 | 3624.41 | 3145.42 | 2724.20 | 3236.17 |
| TC0800001245.mm.1 | Slc7a6 | 737.48 | 708.48 | 647.66 | 546.85 | 505.79 | 603.34 |
| TC1300002474.mm.1 | Hmgcr | 715.10 | 722.06 | 605.73 | 448.40 | 457.96 | 559.37 |
| TC1900001490.mm.1 | Aldh18a1 | 674.19 | 655.90 | 580.92 | 443.04 | 456.26 | 541.04 |
| TC1200000114.mm.1 | Gm9847 | 1060.00 | 1108.51 | 802.18 | 614.37 | 436.19 | 629.90 |
| TC0600002177.mm.1 | Tcaf2 | 72.75 | 66.21 | 63.74 | 52.30 | 44.53 | 55.84 |
| TC0300002800.mm.1 | Slc30a7 | 1231.54 | 1196.08 | 1109.87 | 882.77 | 884.05 | 1042.70 |
| TC1300000607.mm.1 | Gadd45g | 603.04 | 524.57 | 528.63 | 353.25 | 353.09 | 457.80 |
| TC0500001134.mm.1 | Golga3 | 120.54 | 125.48 | 119.83 | 90.43 | 83.02 | 106.53 |
| TC0400002513.mm.1 | Vcp | 2545.34 | 2546.63 | 2407.24 | 1982.81 | 1822.30 | 2223.07 |
| TC0800000440.mm.1 | Rps12-ps24 | 6157.93 | 5633.88 | 6508.47 | 5260.48 | 4398.53 | 4662.24 |
| TC0600002796.mm.1 | Eogt | 436.54 | 411.13 | 360.98 | 302.59 | 283.96 | 335.16 |
| TC0900000662.mm.1 | Crabp1 | 243.64 | 265.13 | 218.42 | 165.54 | 191.65 | 193.98 |

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|--------------------------------------|---------------------|-----------|-----------|----------|----------|----------|----------|
| TC0200002648.mm.1 | Dok5 | 180.23 | 170.89 | 157.32 | 93.28 | 111.99 | 134.75 |
| TC0700000847.mm.1 | Gys1 | 271.70 | 276.10 | 241.91 | 214.40 | 198.05 | 227.62 |
| TC0100002337.mm.1 | Stk17b | 2998.72 | 2891.93 | 2428.56 | 1991.39 | 1749.92 | 2200.57 |
| TC0400003822.mm.1 | Cda | 98.14 | 103.43 | 72.33 | 58.51 | 61.29 | 48.49 |
| TC0100001574.mm.1 | Fcgr4 | 366.91 | 319.09 | 283.67 | 235.80 | 200.46 | 245.49 |
| TC0300002470.mm.1 | Mlit11 | 275.53 | 257.21 | 220.42 | 181.39 | 140.39 | 184.99 |
| TC0200003435.mm.1 | Golga1 | 123.04 | 110.76 | 105.81 | 86.32 | 81.80 | 97.43 |
| TC1600000618.mm.1 | Zbtb20; Mir568 | 147.52 | 181.79 | 145.18 | 113.91 | 109.57 | 126.18 |
| TC0200001025.mm.1 | Gorasp2 | 272.39 | 263.98 | 229.79 | 207.59 | 207.46 | 215.33 |
| TC1300000076.mm.1 | Gm2399 | 3466.72 | 3575.81 | 2674.25 | 1739.78 | 1225.88 | 2122.77 |
| TC0600003169.mm.1 | Ccnd2 | 19061.69 | 18107.46 | 15179.21 | 13006.52 | 10424.60 | 13039.52 |
| TC1500002339.mm.1 | Hoxc10 | 517.71 | 527.30 | 541.99 | 363.61 | 239.08 | 368.65 |
| TC1_GL456221_random00000010 .mm.1 | | 898.20 | 1087.79 | 1132.86 | 735.12 | 418.69 | 534.63 |
| TC1600000188.mm.1 | Gm21897 | 26020.76 | 29952.15 | 27622.34 | 19589.38 | 12418.97 | 18276.85 |
| TC1700002699.mm.1 | Kcnk12 | 35.88 | 46.80 | 40.72 | 29.15 | 32.49 | 27.94 |
| TC0300001031.mm.1 | Ngf | 1557.11 | 1773.37 | 1554.99 | 1239.41 | 1201.68 | 1416.18 |
| TC1400001958.mm.1 | Exoc5 | 401.30 | 408.56 | 352.38 | 306.56 | 296.20 | 335.96 |
| TC1800001139.mm.1 | Nrep | 93.23 | 112.04 | 117.79 | 77.96 | 86.24 | 80.44 |
| TC0600002554.mm.1 | Dok1 | 357.44 | 288.18 | 251.12 | 196.96 | 167.20 | 210.65 |
| TC0100002312.mm.1 | Gm8420 | 36447.83 | 33686.74 | 35196.09 | 30421.21 | 23238.32 | 25407.71 |
| TC0300000453.mm.1 | Tsc22d2 | 577.20 | 641.52 | 544.88 | 457.06 | 415.03 | 498.52 |
| TC0100002314.mm.1 | Gls | 441.39 | 519.29 | 421.03 | 325.88 | 330.04 | 381.19 |
| TC0300002828.mm.1 | Ptbp2 | 194.80 | 246.56 | 191.58 | 144.35 | 121.73 | 159.00 |
| TC1300002596.mm.1 | Trappc13 | 562.06 | 616.93 | 494.49 | 418.90 | 365.81 | 446.93 |
| TC1000002224.mm.1 | Ddit4 | 205.73 | 143.50 | 161.76 | 112.63 | 86.93 | 114.21 |
| TC1900000015.mm.1 | 1810055G02R ik | 251.75 | 274.40 | 201.28 | 152.73 | 164.10 | 182.52 |
| TC0900000848.mm.1 | Rbpms2 | 631.22 | 631.88 | 590.51 | 453.30 | 554.37 | 473.38 |
| TC0400000902.mm.1 | Gm13285; Gm13287 | 98.16 | 84.03 | 74.07 | 60.78 | 56.09 | 66.36 |
| TC0500000843.mm.1 | Pf4 | 5802.30 | 4904.11 | 5500.85 | 4140.34 | 4665.61 | 4055.29 |
| TC1100003071.mm.1 | Tmem95 | 38.36 | 40.82 | 28.54 | 24.14 | 24.88 | 22.19 |
| TC0700003978.mm.1 | Prkcdbp | 2327.95 | 1667.22 | 1485.32 | 1194.84 | 983.03 | 1067.93 |
| TC0900001838.mm.1 | Zfp266 | 758.11 | 742.02 | 703.45 | 584.92 | 413.03 | 536.66 |
| TC0300001395.mm.1 | Gm21962 | 40551.33 | 50620.02 | 48255.66 | 35107.37 | 23470.52 | 29609.41 |
| TC0500002885.mm.1 | LOC432823 | 410.28 | 418.67 | 441.07 | 296.06 | 221.53 | 329.78 |
| TC0400001395.mm.1 | Pabpc4 | 636.76 | 606.09 | 555.44 | 512.71 | 415.27 | 471.85 |
| TC0200003398.mm.1 | Rc3h2 | 1342.76 | 1610.21 | 1307.39 | 976.72 | 906.38 | 1159.31 |
| TC0800000472.mm.1 | Micu3 | 100.71 | 89.12 | 77.45 | 62.47 | 54.21 | 69.53 |
| TC1700000414.mm.1 | Gm8225 | 297.27 | 278.46 | 268.87 | 246.69 | 196.31 | 194.40 |
| TC1700002660.mm.1 | Prepl | 539.72 | 506.19 | 437.60 | 380.49 | 322.15 | 393.78 |
| TC1000001084.mm.1 | Arl1 | 2838.76 | 2733.61 | 2363.97 | 2007.35 | 1935.87 | 2250.66 |
| TC0700000247.mm.1 | Ccdc8 | 28.70 | 27.40 | 24.16 | 22.61 | 17.80 | 17.83 |
| TC0500001170.mm.1 | Gm26897 | 46.06 | 54.93 | 60.09 | 37.40 | 42.82 | 38.06 |
| TC0100001358.mm.1 | Edem3 | 511.64 | 536.98 | 479.25 | 361.23 | 355.19 | 446.84 |
| TC1200002243.mm.1 | Trip11 | 276.00 | 312.09 | 253.09 | 227.48 | 191.84 | 219.64 |
| TC0500003268.mm.1 | Ncor2 | 525.17 | 493.56 | 443.25 | 414.63 | 354.99 | 391.99 |
| TC1600000911.mm.1 | 1700066C05R ik | 232.47 | 247.05 | 302.70 | 193.71 | 144.39 | 182.26 |
| TC1200001306.mm.1 | Ncapg2 | 267.75 | 290.07 | 244.02 | 198.50 | 182.93 | 227.73 |
| TC0700000240.mm.1 | Dact3 | 84.73 | 71.55 | 77.40 | 54.79 | 65.71 | 62.07 |
| TC0500001153.mm.1 | Ttc28 | 115.52 | 116.41 | 102.39 | 86.03 | 89.56 | 98.69 |
| TC0700000946.mm.1 | Atp10a | 323.90 | 329.37 | 302.12 | 253.62 | 252.73 | 291.16 |
| TC0500000125.mm.1 | Hgf | 347.66 | 366.05 | 319.59 | 269.46 | 211.53 | 275.43 |
| TC0500001451.mm.1 | Atp6v0a2 | 724.61 | 707.63 | 648.87 | 548.10 | 518.10 | 619.63 |
| TC1300001353.mm.1 | Hmgcs1 | 2297.02 | 2194.80 | 1927.20 | 1516.63 | 1510.17 | 1832.39 |
| TC1000002464.mm.1 | 2610008E11Ri k | 178.79 | 222.92 | 183.29 | 136.86 | 130.53 | 159.70 |
| TC0300000139.mm.1 | Hltf | 167.76 | 192.31 | 176.90 | 141.24 | 118.03 | 149.52 |
| TC0100003620.mm.1 | Cep170 | 977.48 | 1194.47 | 1000.99 | 748.68 | 625.56 | 842.51 |
| TC1200000211.mm.1 | Kidins220 | 776.93 | 803.83 | 748.54 | 610.95 | 563.28 | 697.91 |
| TC1700001857.mm.1 | Cyp4f13 | 184.11 | 180.92 | 156.93 | 149.73 | 140.30 | 144.47 |
| TC1500000221.mm.1 | Sdc2 | 4656.80 | 4663.81 | 4116.33 | 3411.82 | 2845.98 | 3731.09 |
| TC1000003103.mm.1 | Arhgef25 | 179.32 | 176.13 | 159.88 | 126.76 | 126.38 | 152.71 |
| TC1300002380.mm.1 | Rasa1 | 863.35 | 1003.69 | 839.85 | 660.32 | 533.20 | 719.66 |
| TC1700000344.mm.1 | Pkd1 | 493.16 | 471.96 | 409.62 | 368.24 | 335.19 | 385.45 |
| TC0X00002158.mm.1 | Zdhhc9 | 253.20 | 243.97 | 226.21 | 218.05 | 186.81 | 192.69 |
| TC1400002059.mm.1 | Ajuba | 238.08 | 185.06 | 162.29 | 138.60 | 109.72 | 127.13 |
| TC0X00002671.mm.1 | Las1l | 115.34 | 110.72 | 107.76 | 86.34 | 77.89 | 99.23 |
| TC0600002672.mm.1 | H1fx | 17.51 | 19.54 | 16.80 | 13.74 | 15.86 | 13.45 |
| TC0200005363.mm.1 | Gm14409 | 236.12 | 219.95 | 246.60 | 207.75 | 164.31 | 176.22 |
| TC1300002689.mm.1 | Gpx8 | 125967.10 | 117189.30 | 94130.78 | 75308.51 | 82381.70 | 86797.10 |

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|-------------------------|-------------------------------|----------|----------|----------|----------|----------|----------|
| TC1500002176.mm.1 | Kansl2 | 491.85 | 469.64 | 449.69 | 363.36 | 326.41 | 417.49 |
| TC1200000303.mm.1 | Snx13 | 1053.01 | 1065.95 | 904.55 | 820.52 | 808.75 | 871.81 |
| TC1000002195.mm.1 | Serinc1 | 30570.69 | 29719.25 | 25512.94 | 22503.43 | 22751.18 | 24569.25 |
| TC0700004353.mm.1 | Armxc3 | 4460.29 | 4205.85 | 3935.44 | 3081.21 | 2894.12 | 3704.71 |
| TC0100003102.mm.1 | Btg2 | 247.58 | 230.47 | 216.40 | 162.96 | 183.53 | 202.12 |
| TC0100002562.mm.1 | Igfbp5 | 192.11 | 153.67 | 146.48 | 131.26 | 105.61 | 110.87 |
| TC0100003409.mm.1 | Prrx1 | 426.08 | 417.03 | 352.56 | 305.00 | 281.62 | 337.41 |
| TC1100003992.mm.1 | Wipi1 | 524.95 | 498.45 | 475.93 | 385.17 | 269.84 | 378.22 |
| TC0300003013.mm.1 | Dapp1 | 140.57 | 146.01 | 124.71 | 118.86 | 100.81 | 111.32 |
| TC1400002524.mm.1 | Gm10110 | 963.26 | 914.21 | 723.29 | 653.85 | 541.59 | 642.65 |
| TC1600000499.mm.1 | Gm10237 | 28.54 | 26.73 | 26.41 | 24.71 | 20.36 | 19.92 |
| TC1400001672.mm.1 | Nisch | 1977.50 | 1966.13 | 1782.31 | 1554.69 | 1551.60 | 1747.11 |
| TC0100002237.mm.1 | Rnf149 | 521.15 | 489.61 | 424.09 | 376.27 | 332.57 | 398.17 |
| TC0100000131.mm.1 | Efhc1 | 30.09 | 34.42 | 26.99 | 22.59 | 25.17 | 23.50 |
| TC1700000703.mm.1 | Ier3 | 2091.10 | 1963.01 | 1741.73 | 1586.01 | 1141.84 | 1384.29 |
| TC0900003310.mm.1 | Lztf1 | 279.00 | 283.09 | 243.02 | 211.31 | 183.05 | 228.40 |
| TC0600003122.mm.1 | P3h3 | 248.88 | 225.50 | 191.40 | 162.56 | 148.30 | 179.98 |
| TC1900001265.mm.1 | Smc5 | 387.76 | 438.60 | 384.96 | 288.72 | 250.37 | 344.10 |
| TC0500003208.mm.1 | Fam216a | 268.90 | 255.40 | 256.89 | 204.66 | 177.54 | 231.06 |
| TC1200000173.mm.1 | BC024416; LOC10086171 1 | 202.75 | 177.44 | 204.54 | 157.86 | 128.59 | 160.95 |
| TC0X00000373.mm.1 | Mcts1 | 320.13 | 306.78 | 263.71 | 236.40 | 175.56 | 222.98 |
| TC0700001413.mm.1 | Rab6a | 2490.74 | 2498.35 | 2085.43 | 2001.32 | 1847.59 | 1912.60 |
| TC1800000623.mm.1 | Pdgfrb | 6881.74 | 6866.11 | 5886.56 | 5250.80 | 5260.08 | 5736.66 |
| TC1200001913.mm.1 | Six4 | 43.96 | 51.00 | 49.29 | 35.45 | 41.96 | 39.49 |
| TC1300001270.mm.1 | Plpp1 | 954.11 | 927.19 | 731.75 | 647.70 | 602.05 | 689.59 |
| TC0400003149.mm.1 | Gm10576 | 544.55 | 607.32 | 491.52 | 421.59 | 311.25 | 414.46 |
| TC0500002889.mm.1 | Gm10047 | 47.49 | 42.73 | 38.39 | 26.50 | 21.83 | 34.31 |
| TC0100003146.mm.1 | Camsap2 | 557.24 | 590.69 | 513.17 | 435.60 | 421.66 | 497.66 |
| TC0200001896.mm.1 | Gm17555 | 199.32 | 221.11 | 238.36 | 162.10 | 115.79 | 167.07 |
| TC1500000705.mm.1 | Tnrc6b; Mir5113 | 167.91 | 174.72 | 148.29 | 130.83 | 129.00 | 144.78 |
| TC1900001588.mm.1 | Mgea5 | 239.87 | 249.32 | 218.08 | 179.19 | 169.94 | 210.45 |
| TC0X00000213.mm.1 | Cdk16 | 988.44 | 1011.18 | 874.62 | 751.79 | 751.72 | 857.62 |
| TC0400001517.mm.1 | Sync | 161.12 | 159.59 | 154.79 | 120.63 | 108.18 | 142.62 |
| TC1000002775.mm.1 | Tmtc3 | 557.11 | 622.39 | 480.71 | 397.65 | 342.43 | 447.60 |
| TC0100002836.mm.1 | Stk25 | 542.59 | 551.51 | 448.03 | 386.02 | 352.60 | 431.37 |
| TC0200004713.mm.1 | Jag1 | 355.56 | 333.24 | 289.91 | 252.42 | 237.65 | 280.28 |
| TC0100000297.mm.1 | Il1rl2 | 341.84 | 310.84 | 305.67 | 210.46 | 191.16 | 276.37 |
| TC1200002020.mm.1 | Adam4 | 105.59 | 105.38 | 105.82 | 76.27 | 93.57 | 66.86 |
| TC0100003301.mm.1 | Mr1 | 1054.67 | 933.32 | 959.90 | 665.47 | 742.31 | 868.05 |
| TC0X00001285.mm.1 | Armxc4 | 25.22 | 30.13 | 33.97 | 20.67 | 23.38 | 22.49 |
| TC1500002346.mm.1 | Plec | 459.96 | 460.76 | 420.79 | 346.99 | 324.74 | 405.74 |
| TC0300000974.mm.1 | Notch2 | 1430.82 | 1492.55 | 1295.31 | 1077.11 | 1038.55 | 1261.77 |
| TC1000000420.mm.1 | Gm4795 | 462.81 | 474.23 | 459.57 | 420.69 | 361.59 | 320.46 |
| TC0X00002751.mm.1 | Phka1 | 142.76 | 135.51 | 111.81 | 84.86 | 92.51 | 107.97 |
| TC1600000930.mm.1 | Gm21833 | 2782.52 | 2672.19 | 3073.35 | 2011.83 | 888.13 | 1418.02 |
| TC0100000870.mm.1 | Ackr3 | 133.10 | 103.67 | 102.47 | 70.47 | 74.21 | 91.96 |
| TC0100000602.mm.1 | Xrcc5 | 82.97 | 84.08 | 75.35 | 65.41 | 63.16 | 74.03 |
| TC0200002746.mm.1 | Gm14401 | 405.20 | 396.99 | 421.12 | 315.00 | 233.43 | 332.85 |
| TC1200000636.mm.1 | Mnat1 | 108.09 | 120.37 | 96.91 | 65.38 | 70.69 | 91.67 |
| TC1700001614.mm.1 | Kctd5 | 451.79 | 371.50 | 441.54 | 333.09 | 330.18 | 362.38 |
| TSUnmapped00000024.mm.1 | Gm21992 | 269.70 | 263.91 | 214.82 | 147.81 | 164.39 | 207.06 |
| TC0900000862.mm.1 | Ppib | 64619.59 | 67391.88 | 52682.41 | 46744.57 | 50150.90 | 48171.27 |
| TC120000197.mm.1 | Taf1b | 192.03 | 190.23 | 178.95 | 148.04 | 150.98 | 174.97 |
| TC0X00001283.mm.1 | Hnrnp2 | 231.14 | 231.91 | 217.82 | 201.86 | 154.88 | 182.90 |
| TC1000003119.mm.1 | Lrp1 | 26983.64 | 27411.12 | 24523.46 | 21268.84 | 21383.64 | 24294.73 |
| TC0500002592.mm.1 | Ociad2 | 51.35 | 53.43 | 52.96 | 35.92 | 42.04 | 47.22 |
| TC1000000842.mm.1 | Midn | 375.46 | 388.11 | 319.09 | 305.06 | 246.51 | 285.12 |
| TC0800001977.mm.1 | Mak16 | 1196.06 | 981.29 | 1059.07 | 854.28 | 729.01 | 913.70 |
| TC1400000843.mm.1 | Mtmr6 | 1493.20 | 1437.22 | 1261.97 | 1035.20 | 857.61 | 1185.68 |
| TC0900000391.mm.1 | Olfr894 | 11.62 | 9.85 | 10.57 | 8.38 | 9.30 | 7.26 |
| TC0100002071.mm.1 | Fam135a | 199.84 | 208.39 | 175.55 | 145.76 | 131.93 | 170.53 |
| TC1900000373.mm.1 | Klf9 | 472.02 | 456.39 | 383.83 | 364.35 | 357.86 | 359.80 |
| TC0Y00000255.mm.1 | Gm20815 | 22.40 | 18.51 | 24.69 | 17.08 | 16.89 | 16.80 |
| TC0500003027.mm.1 | 2900026A02R ik | 144.43 | 129.43 | 107.81 | 95.11 | 76.54 | 98.95 |
| TC0700003476.mm.1 | Nr2f2 | 46.90 | 43.50 | 35.77 | 34.45 | 29.68 | 31.92 |
| TC1200000524.mm.1 | Prpf39 | 240.25 | 279.53 | 215.15 | 176.59 | 200.92 | 193.10 |
| TC1400001422.mm.1 | Gm3715 | 65.75 | 56.27 | 58.85 | 44.13 | 54.11 | 43.47 |
| TC0700000991.mm.1 | Chsy1 | 6487.31 | 6274.76 | 5178.97 | 4625.50 | 3821.31 | 4878.73 |
| TC1400000453.mm.1 | Gm8113 | 47.04 | 35.61 | 38.30 | 26.94 | 33.22 | 28.97 |
| TC1600002094.mm.1 | Rcan1 | 2180.94 | 2060.79 | 1912.56 | 1594.55 | 1242.39 | 1722.16 |

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|-------------------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|
| TC1400001275.mm.1 | Gpr180 | 166.27 | 167.97 | 148.60 | 126.00 | 108.22 | 141.78 |
| TC1200000750.mm.1 | Srsf5 | 490.40 | 500.40 | 490.40 | 366.89 | 323.58 | 446.71 |
| TC1100001165.mm.1 | lft20 | 41127.18 | 43796.08 | 36923.43 | 27132.43 | 34703.10 | 32547.05 |
| TC1400000072.mm.1 | Abhd6 | 48.55 | 58.15 | 45.95 | 36.53 | 35.88 | 43.59 |
| TC0100003877.mm.1 | Kdelc1 | 99.24 | 103.73 | 89.42 | 69.60 | 66.43 | 87.29 |
| TC0500003608.mm.1 | Rnf6 | 127.04 | 124.51 | 109.23 | 95.95 | 95.38 | 108.73 |
| TC1600000164.mm.1 | A930007A09Rik | 60.16 | 48.21 | 48.28 | 33.43 | 36.84 | 44.13 |
| TC0400000133.mm.1 | Tmem64 | 212.49 | 214.08 | 190.97 | 142.55 | 183.56 | 164.20 |
| TC1900001323.mm.1 | Glis3 | 200.19 | 201.48 | 167.19 | 164.22 | 146.21 | 154.29 |
| TC1100001149.mm.1 | Rab34 | 324.02 | 308.35 | 293.85 | 231.10 | 240.81 | 286.20 |
| TC0X00002826.mm.1 | Taf9b | 332.34 | 329.94 | 280.96 | 276.42 | 241.14 | 259.10 |
| TC0100002284.mm.1 | Gm5269 | 59.20 | 47.18 | 51.90 | 40.24 | 24.99 | 36.76 |
| TSUnmapped00000025.mm.1 | Gm21992 | 205.87 | 203.80 | 158.64 | 115.77 | 124.09 | 157.67 |
| TC0300000206.mm.1 | Prkci | 352.28 | 357.05 | 296.69 | 277.63 | 241.60 | 284.93 |
| TC0200005347.mm.1 | Gm11009 | 172.82 | 182.49 | 178.61 | 144.83 | 82.74 | 116.60 |
| TC0800002908.mm.1 | Ist1 | 491.42 | 474.63 | 432.27 | 358.10 | 363.83 | 429.11 |
| TC1300002327.mm.1 | | 168.49 | 222.62 | 217.21 | 145.18 | 90.17 | 139.14 |
| TC1600001559.mm.1 | Fam162a | 162.06 | 155.99 | 151.23 | 118.83 | 113.00 | 145.27 |
| TC0500003371.mm.1 | Gtf2ird1 | 131.22 | 129.30 | 110.29 | 107.05 | 92.73 | 103.68 |
| TC1200002652.mm.1 | lghv1-73 | 21.08 | 24.19 | 18.24 | 13.91 | 16.73 | 16.78 |
| TC0800003015.mm.1 | Mphosph6 | 1119.44 | 1317.94 | 972.25 | 740.29 | 925.56 | 832.21 |
| TC0900000943.mm.1 | Adam10 | 4469.96 | 4431.83 | 3881.07 | 3490.50 | 2636.65 | 3478.16 |
| TC1700000777.mm.1 | Olf111 | 2255.28 | 2739.89 | 1992.97 | 1542.83 | 1461.59 | 1915.21 |
| TC1900001029.mm.1 | Nudt22 | 462.54 | 410.89 | 390.41 | 371.89 | 291.09 | 329.67 |
| TC0600002983.mm.1 | Rpl28-ps4 | 107.74 | 128.67 | 127.98 | 105.21 | 77.20 | 89.09 |
| TC0500001896.mm.1 | Fzd1 | 69.57 | 88.02 | 82.67 | 58.32 | 63.49 | 68.08 |
| TC1200000416.mm.1 | Scfd1 | 943.75 | 882.96 | 764.95 | 629.49 | 551.25 | 747.64 |
| TC0600002423.mm.1 | lil2rb2 | 20.44 | 20.44 | 20.52 | 30.59 | 30.11 | 29.80 |
| TC1100001219.mm.1 | Ccl2 | 34497.96 | 36997.16 | 35359.23 | 96511.84 | 98021.76 | 99701.23 |
| TC0800001094.mm.1 | Mt2 | 55342.99 | 58697.41 | 56068.81 | 211983.40 | 207004.90 | 227609.30 |
| TC0100003280.mm.1 | Npl | 125.13 | 127.63 | 138.04 | 2874.05 | 2598.69 | 3348.89 |
| TC0600002965.mm.1 | Plxnd1 | 413.42 | 405.13 | 353.89 | 2820.35 | 2720.68 | 2944.91 |
| TC0X00001892.mm.1 | Maob | 59.83 | 58.78 | 60.40 | 192.90 | 174.86 | 186.16 |
| TC0200000382.mm.1 | lil1rn | 391.39 | 402.87 | 358.59 | 6404.79 | 5302.52 | 6656.19 |
| TC1100003399.mm.1 | Ccl6 | 728.57 | 621.27 | 678.84 | 8960.44 | 7409.79 | 8183.43 |
| TC1400002162.mm.1 | Phf11b | 3015.27 | 2886.47 | 3143.04 | 7144.98 | 7101.37 | 7265.84 |
| TC1100004229.mm.1 | Cbr2 | 5717.06 | 5209.81 | 4962.55 | 22646.67 | 23214.75 | 22142.47 |
| TC0600003124.mm.1 | Cd4 | 36.18 | 35.07 | 39.51 | 124.39 | 124.42 | 127.10 |
| TC1100001220.mm.1 | Ccl7 | 78547.94 | 75466.38 | 72810.62 | 198197.40 | 198749.20 | 211197.40 |
| TC1400002161.mm.1 | Phf11a | 247.08 | 257.13 | 246.51 | 500.69 | 478.52 | 501.11 |
| TC1400001725.mm.1 | Sncg | 78.35 | 88.79 | 89.75 | 3675.22 | 2582.27 | 3316.89 |
| TC0900002387.mm.1 | lslr | 58.28 | 50.98 | 54.77 | 358.52 | 424.47 | 382.38 |
| TC0800002905.mm.1 | Hp | 54.07 | 48.19 | 65.39 | 1515.31 | 1915.58 | 1779.19 |
| TC0600000570.mm.1 | Tmem176a | 92.95 | 94.52 | 86.84 | 249.98 | 243.35 | 233.55 |
| TC1500000963.mm.1 | Slc48a1 | 3216.22 | 3080.87 | 3203.66 | 5958.07 | 6294.85 | 6248.02 |
| TC1100003573.mm.1 | Gm11545 | 841.51 | 773.84 | 779.98 | 6682.11 | 5362.19 | 6190.04 |
| TC0200001445.mm.1 | Syt13 | 27.26 | 24.87 | 25.34 | 61.68 | 64.45 | 63.81 |
| TC0700004631.mm.1 | Pirb; Pira1 | 1653.13 | 1575.76 | 1572.17 | 3065.66 | 2969.90 | 3121.46 |
| TC0800001095.mm.1 | Mt1 | 14625.28 | 14274.00 | 14430.50 | 39546.73 | 40313.38 | 44640.25 |
| TC0800000297.mm.1 | Sfrp1 | 92.96 | 82.12 | 86.05 | 863.39 | 893.29 | 1114.06 |
| TC0300000060.mm.1 | Fabp5 | 216.36 | 209.78 | 232.60 | 644.51 | 661.04 | 708.51 |
| TC1100003141.mm.1 | Slc13a5 | 21.62 | 21.85 | 21.02 | 33.08 | 32.02 | 32.88 |
| TC0800001737.mm.1 | Gas6 | 26716.06 | 25698.37 | 24754.84 | 56181.01 | 54555.33 | 58433.65 |
| TC0600001403.mm.1 | Clec4n | 773.53 | 750.83 | 667.36 | 5418.26 | 6546.70 | 5338.34 |
| TC1000001694.mm.1 | Cnksr3 | 116.34 | 119.11 | 119.24 | 171.85 | 168.40 | 175.49 |
| TC0600003109.mm.1 | C1s2 | 12.71 | 14.02 | 13.70 | 32.63 | 35.08 | 33.55 |
| TC0X00001667.mm.1 | Figf | 209.02 | 198.51 | 192.72 | 484.85 | 449.12 | 484.48 |
| TC0700001631.mm.1 | Ampd3 | 688.09 | 648.74 | 642.28 | 1465.41 | 1360.06 | 1437.84 |
| TC0X00002453.mm.1 | G6pdx | 3630.76 | 3689.76 | 3417.00 | 6846.11 | 6656.82 | 6927.93 |
| TC0800000621.mm.1 | Hpgd | 274.57 | 270.93 | 254.97 | 2170.62 | 1879.20 | 2507.07 |
| TC0700003570.mm.1 | Anpep | 9924.29 | 9942.40 | 9367.61 | 47970.76 | 39243.55 | 43132.48 |
| TC0300001488.mm.1 | Mcoln3 | 42.19 | 38.32 | 40.56 | 82.13 | 83.51 | 85.16 |
| TC0700004165.mm.1 | Arl6ip1 | 4910.70 | 4714.46 | 4713.73 | 7456.71 | 7765.76 | 7480.25 |
| TC1100002195.mm.1 | Igfbp3 | 49.85 | 52.78 | 52.28 | 103.81 | 110.65 | 112.99 |
| TC0500002843.mm.1 | Hpse | 262.82 | 229.76 | 200.85 | 2443.06 | 2131.93 | 2637.38 |
| TC1100003401.mm.1 | Ccl3 | 17812.49 | 19500.29 | 17440.15 | 45066.48 | 43894.51 | 42877.46 |
| TC1400000316.mm.1 | Mustn1 | 1408.56 | 1333.24 | 1327.08 | 2748.46 | 2554.73 | 2609.11 |
| TC0200003880.mm.1 | Serping1 | 2183.54 | 2022.69 | 2046.66 | 7050.81 | 6185.54 | 7138.52 |
| TC0300002725.mm.1 | Gstm1 | 1956.77 | 1958.34 | 1682.44 | 6560.56 | 6207.40 | 6213.82 |
| TC0300001639.mm.1 | Fabp4 | 358.96 | 303.83 | 389.80 | 2638.05 | 2392.28 | 2865.36 |
| TC1000003214.mm.1 | Lilrb4a | 187971.30 | 193661.70 | 181764.90 | 295815.30 | 292771.30 | 288269.00 |
| TC1100001222.mm.1 | Ccl12 | 253.80 | 186.95 | 225.18 | 1714.37 | 1608.50 | 1765.39 |
| TC1700000839.mm.1 | Rcan2 | 28.82 | 30.49 | 29.39 | 60.10 | 54.98 | 57.70 |

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| TC0100003099.mm.1 | Prelp | 6086.40 | 5584.17 | 5416.86 | 27071.29 | 23181.17 | 22565.43 |
| TC1900001027.mm.1 | Vegfb | 354.91 | 349.30 | 350.90 | 790.85 | 752.82 | 858.08 |
| TC0700003039.mm.1 | Saa3 | 36.47 | 38.33 | 36.96 | 135.51 | 159.89 | 167.93 |
| TC0700000396.mm.1 | Ceacam10 | 43.15 | 38.29 | 37.36 | 106.15 | 111.49 | 112.48 |
| TC0200002367.mm.1 | Acss2 | 30.85 | 30.72 | 31.29 | 53.97 | 50.79 | 49.95 |
| TC0300001236.mm.1 | F3 | 1582.17 | 1484.71 | 1234.44 | 18129.59 | 13860.12 | 18328.54 |
| TC1100000859.mm.1 | Gas7 | 41.69 | 43.01 | 41.85 | 107.05 | 96.35 | 110.90 |
| TC0300002972.mm.1 | Npnt | 60.79 | 65.12 | 58.92 | 143.52 | 132.36 | 134.77 |
| TC1100001223.mm.1 | Ccl8 | 55.77 | 52.24 | 54.34 | 804.75 | 535.71 | 617.84 |
| TC0600002233.mm.1 | Tmem176b | 443.11 | 453.13 | 397.00 | 1164.68 | 1121.10 | 1226.85 |
| TC0800000845.mm.1 | Hmox1 | 1861.05 | 1658.77 | 1686.59 | 5279.42 | 4826.64 | 5574.56 |
| TC1500001457.mm.1 | Rspo2 | 57.62 | 59.35 | 56.95 | 214.35 | 216.36 | 264.50 |
| TC0700004666.mm.1 | Fgfr2 | 24.68 | 24.80 | 24.71 | 50.02 | 47.60 | 53.85 |
| TC0400003814.mm.1 | Alpl | 39.13 | 38.91 | 37.84 | 110.75 | 94.34 | 98.43 |
| TC0800000674.mm.1 | Tmem192 | 1129.77 | 1096.23 | 1103.25 | 1450.40 | 1409.10 | 1448.22 |
| TC1500001729.mm.1 | Ly6c1 | 7968.97 | 8276.53 | 7543.83 | 14356.19 | 14649.19 | 13927.47 |
| TC1000002642.mm.1 | Dram1 | 783.53 | 756.42 | 734.73 | 1431.87 | 1593.64 | 1533.26 |
| TC1600000487.mm.1 | Mylk | 44.84 | 46.15 | 44.09 | 83.66 | 76.29 | 81.03 |
| TC1600000328.mm.1 | Kng1 | 27.18 | 28.67 | 29.86 | 161.36 | 127.02 | 164.74 |
| TC0300000500.mm.1 | Mme | 43.84 | 43.03 | 41.36 | 119.75 | 110.84 | 132.65 |
| TC1400001914.mm.1 | Bmp4 | 39.79 | 37.79 | 40.01 | 74.59 | 81.98 | 82.57 |
| TC0300000137.mm.1 | Cp | 31.82 | 35.21 | 33.92 | 63.42 | 63.77 | 60.94 |
| TC0200000245.mm.1 | Mrc1 | 2831.78 | 2832.35 | 2544.86 | 10085.04 | 8993.53 | 11118.44 |
| TC0500001023.mm.1 | lbsp | 31.77 | 30.89 | 36.49 | 1091.46 | 647.88 | 1112.02 |
| TC0600001313.mm.1 | Cxcl12 | 120.58 | 105.87 | 109.10 | 1582.05 | 1028.13 | 1448.17 |
| TC1100001661.mm.1 | Tmem106a | 4619.78 | 4594.20 | 4368.81 | 9905.37 | 8966.62 | 10203.21 |
| TC1000001011.mm.1 | 1500009L16Ri k | 29.99 | 36.47 | 38.87 | 234.26 | 187.72 | 203.95 |
| TC1400002641.mm.1 | Ednrb | 19.83 | 19.90 | 20.61 | 84.27 | 70.04 | 91.33 |
| TC1700002352.mm.1 | C3 | 107.84 | 101.49 | 95.99 | 337.05 | 286.19 | 340.32 |
| TC0900003344.mm.1 | Trf | 590.99 | 521.62 | 539.40 | 1248.44 | 1159.94 | 1261.67 |
| TC1000001066.mm.1 | Igf1 | 3315.77 | 3677.55 | 3127.98 | 7797.96 | 7650.88 | 7747.76 |
| TC0700004632.mm.1 | Pira1 | 4098.69 | 3962.30 | 3524.68 | 11468.25 | 10415.96 | 11983.05 |
| TC0400002603.mm.1 | Coro2a | 73.08 | 68.94 | 69.49 | 107.33 | 105.19 | 102.18 |
| TC1000002383.mm.1 | Gstt1 | 27.68 | 24.78 | 23.84 | 65.82 | 59.72 | 62.50 |
| TC1900001419.mm.1 | Lipa | 35333.44 | 33519.43 | 32715.60 | 60560.57 | 56154.83 | 59712.43 |
| TC0400000499.mm.1 | Tmod1 | 18.48 | 20.29 | 20.05 | 33.79 | 33.35 | 34.92 |
| TC0600001530.mm.1 | Clec2d | 7440.41 | 7018.78 | 7113.31 | 14724.97 | 16937.41 | 16666.21 |
| TC0200004843.mm.1 | Acss1 | 60.34 | 61.89 | 57.85 | 106.26 | 98.50 | 99.33 |
| TC0700002696.mm.1 | Zfp36 | 210.36 | 222.16 | 216.59 | 339.89 | 338.67 | 319.51 |
| TC1700001993.mm.1 | H2-T24 | 116.77 | 108.17 | 101.26 | 224.97 | 236.44 | 225.14 |
| TC1000001133.mm.1 | Hal | 4910.36 | 5215.57 | 4698.25 | 10146.07 | 9848.45 | 10954.44 |
| TC1_GL456211_random00000019 .mm.1 | | 2957.96 | 2710.23 | 2849.97 | 4898.99 | 4650.24 | 4942.53 |
| TC0700000501.mm.1 | Gmfg | 142.88 | 135.57 | 147.17 | 280.78 | 263.04 | 294.46 |
| TC0700004571.mm.1 | Igf2 | 25.40 | 22.50 | 27.29 | 126.85 | 99.46 | 116.71 |
| TC0600003337.mm.1 | Arhgdib | 480.75 | 475.80 | 463.51 | 872.74 | 781.78 | 832.09 |
| TC0900000051.mm.1 | Mmp27 | 48.74 | 43.71 | 48.88 | 87.59 | 90.74 | 87.48 |
| TC1600000331.mm.1 | Adipoq | 21.32 | 20.88 | 20.34 | 57.80 | 57.44 | 48.52 |
| TC0300000647.mm.1 | Sfrp2 | 93.03 | 100.74 | 89.72 | 239.40 | 273.26 | 286.61 |
| TC0300001489.mm.1 | Mcoln2 | 100.01 | 100.99 | 108.31 | 290.99 | 273.37 | 336.87 |
| TC1100002983.mm.1 | Myocd | 24.29 | 24.64 | 25.05 | 33.71 | 32.33 | 34.17 |
| TC0200002089.mm.1 | Ism1 | 19.05 | 18.72 | 20.44 | 31.46 | 33.47 | 32.96 |
| TC0800001085.mm.1 | Gnao1 | 40.04 | 40.59 | 41.78 | 61.49 | 57.63 | 61.18 |
| TC0200003164.mm.1 | Tmem141 | 576.87 | 572.19 | 593.76 | 1092.22 | 1020.68 | 1165.95 |
| TC1200000796.mm.1 | 2410016O06R ik | 21.55 | 23.41 | 22.53 | 34.15 | 35.17 | 33.64 |
| TC1700002152.mm.1 | Slc29a1 | 291.54 | 286.80 | 284.85 | 680.33 | 587.23 | 692.82 |
| TC0100000927.mm.1 | Sned1; Mir6901 | 34.65 | 30.64 | 35.23 | 86.27 | 82.01 | 95.47 |
| TC0X00001682.mm.1 | Gpm6b | 38.77 | 39.82 | 46.23 | 100.48 | 107.90 | 110.49 |
| TC0700002169.mm.1 | Cox6b2 | 76.28 | 75.12 | 72.18 | 103.64 | 99.32 | 101.99 |
| TC0700004634.mm.1 | Gm14548; Pira11; Pira2; Pira4; Pira7; Pira1 | 4223.96 | 3809.64 | 3448.11 | 10616.74 | 9744.38 | 10792.14 |
| TC0700000030.mm.1 | Pira6 | 3999.00 | 3904.06 | 3394.60 | 10452.98 | 9516.87 | 11073.08 |
| TC0700000979.mm.1 | Mcee | 3714.07 | 3421.46 | 3497.83 | 5289.44 | 5389.13 | 5550.95 |
| TC0900002007.mm.1 | Dcps | 407.02 | 403.31 | 419.21 | 593.02 | 640.86 | 599.87 |
| TC1100002003.mm.1 | Rnf213 | 2018.59 | 2148.87 | 1912.33 | 3641.20 | 3501.92 | 3763.08 |
| TC1600000447.mm.1 | Tfric | 545.10 | 589.96 | 571.83 | 1238.03 | 1086.88 | 1249.16 |
| TC0200004671.mm.1 | Pcna | 5438.75 | 5222.50 | 5018.52 | 9395.91 | 8878.92 | 9949.52 |
| TC0100000718.mm.1 | Ccl20 | 42.59 | 37.99 | 41.94 | 68.58 | 70.29 | 69.57 |
| TC1700002151.mm.1 | Hsp90ab1 | 43500.46 | 41474.56 | 42843.60 | 55974.38 | 54114.23 | 55901.65 |

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|-------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|
| TC1800001712.mm.1 | Cndp2 | 288.59 | 295.48 | 262.57 | 473.60 | 480.67 | 480.93 |
| TC0300000656.mm.1 | Tmem154 | 344.54 | 337.23 | 375.93 | 1381.29 | 1125.01 | 1500.75 |
| TC1400002836.mm.1 | Dok2 | 77.55 | 78.88 | 73.86 | 191.84 | 162.78 | 194.37 |
| TC0200001546.mm.1 | Lmo2 | 130.75 | 142.31 | 138.91 | 203.40 | 201.37 | 209.62 |
| TC0100002645.mm.1 | Serpine2 | 286.50 | 308.73 | 281.17 | 663.73 | 582.03 | 676.53 |
| TC1200000236.mm.1 | Adi1 | 154.88 | 159.62 | 147.97 | 213.76 | 221.86 | 219.06 |
| TC1100000284.mm.1 | Efemp1 | 34.05 | 26.42 | 33.23 | 236.65 | 174.05 | 248.87 |
| TC1700000402.mm.1 | Tmem8 | 959.42 | 947.44 | 834.69 | 2263.81 | 2258.82 | 2646.38 |
| TC0400001557.mm.1 | Laptm5 | 8161.47 | 7828.66 | 7840.16 | 10321.69 | 10396.87 | 10823.62 |
| TC1200001333.mm.1 | Gm6768 | 516.54 | 482.42 | 526.43 | 821.41 | 886.21 | 898.50 |
| TC0900000950.mm.1 | Aldh1a2 | 47.42 | 54.96 | 53.00 | 105.06 | 98.53 | 105.59 |
| TC1900000552.mm.1 | Plce1 | 43.36 | 45.36 | 41.27 | 85.22 | 76.04 | 84.64 |
| TC0Y00000551.mm.1 | Gm21860 | 1102.99 | 1055.90 | 832.70 | 5654.14 | 7391.50 | 8208.71 |
| TC0Y00000552.mm.1 | Gm21748 | 1102.99 | 1055.90 | 832.70 | 5654.14 | 7391.50 | 8208.71 |
| TC0900000046.mm.1 | Mmp12 | 95.06 | 92.01 | 85.30 | 154.91 | 153.12 | 145.81 |
| TC0200004245.mm.1 | Tcp1111 | 116.05 | 113.26 | 116.58 | 182.25 | 166.49 | 169.24 |
| TC1000002380.mm.1 | Susd2 | 24.68 | 25.23 | 28.57 | 75.41 | 62.97 | 67.02 |
| TC0800003069.mm.1 | Mvd | 110.17 | 104.38 | 110.51 | 146.41 | 146.32 | 152.36 |
| TC0200001523.mm.1 | Pamr1 | 37.43 | 30.70 | 33.69 | 94.50 | 97.43 | 113.24 |
| TC0900000044.mm.1 | Mmp13 | 5351.20 | 5692.61 | 4566.34 | 17310.93 | 16476.97 | 20272.54 |
| TC0300002374.mm.1 | S100a1 | 7294.78 | 7822.95 | 7221.68 | 15090.51 | 15579.82 | 13525.65 |
| TC1500001531.mm.1 | Enpp2 | 18.27 | 16.85 | 18.49 | 29.83 | 28.02 | 28.44 |
| TC1300001377.mm.1 | Akr1c18 | 17.92 | 23.04 | 20.08 | 240.29 | 166.39 | 288.23 |
| TC1500000344.mm.1 | Emc2 | 29018.63 | 30806.60 | 26680.60 | 60238.57 | 57653.28 | 65196.68 |
| TC0200001859.mm.1 | Sqrdl | 271.05 | 248.10 | 251.55 | 377.17 | 391.20 | 391.07 |
| TC1000000895.mm.1 | Mfsd12 | 1015.16 | 1036.71 | 893.01 | 3471.33 | 2886.83 | 3759.47 |
| TC1300000147.mm.1 | Sfrp4 | 36.21 | 37.41 | 36.30 | 72.47 | 69.27 | 82.28 |
| TC1000000903.mm.1 | Aes | 9486.39 | 9209.54 | 8982.30 | 13256.99 | 12427.40 | 13008.08 |
| TC0500001240.mm.1 | Oas1 | 146.32 | 134.51 | 135.09 | 357.97 | 297.04 | 351.58 |
| TC0900001297.mm.1 | Slco2a1 | 159.14 | 157.58 | 143.52 | 299.15 | 268.08 | 281.16 |
| TC1700001954.mm.1 | Tnf | 1773.38 | 1755.51 | 1500.68 | 3417.16 | 3555.76 | 3558.04 |
| TC1000000729.mm.1 | Chchd10 | 46.24 | 44.86 | 44.01 | 95.60 | 82.25 | 96.28 |
| TC0600001890.mm.1 | Tfec | 793.16 | 749.46 | 682.19 | 1941.61 | 1684.05 | 2017.84 |
| TC0700002635.mm.1 | Ceacam1 | 84.29 | 86.59 | 85.14 | 185.93 | 201.63 | 233.58 |
| TC1400000513.mm.1 | Lgals3 | 124.15 | 126.37 | 130.15 | 280.98 | 234.36 | 260.72 |
| TC1000000718.mm.1 | Ggt5 | 26.68 | 22.36 | 23.57 | 51.27 | 48.27 | 49.11 |
| TC0700004351.mm.1 | Pycard | 52.67 | 49.10 | 53.73 | 83.59 | 79.70 | 86.64 |
| TC0700004516.mm.1 | Ifitm6 | 153.07 | 150.47 | 147.94 | 835.03 | 570.09 | 800.35 |
| TC1000001189.mm.1 | Dcn | 48.53 | 47.03 | 45.75 | 80.62 | 78.52 | 89.57 |
| TC0800000711.mm.1 | Atp6v1b2 | 1993.71 | 2026.75 | 1837.81 | 3333.70 | 3072.22 | 3258.01 |
| TC0300000419.mm.1 | Dclk1 | 44.20 | 40.12 | 43.56 | 78.18 | 76.90 | 87.17 |
| TC0500003219.mm.1 | Camkk2 | 81.81 | 83.22 | 85.40 | 145.67 | 132.20 | 151.04 |
| TC0700001475.mm.1 | Olfr583 | 10.10 | 10.97 | 10.33 | 16.75 | 16.86 | 15.60 |
| TC1600000746.mm.1 | Abi3bp | 112.83 | 119.64 | 102.02 | 343.54 | 274.85 | 310.58 |
| TC1400002098.mm.1 | Tgm1 | 38.59 | 42.27 | 40.98 | 73.77 | 66.62 | 74.41 |
| TC0100001597.mm.1 | Cd48 | 1957.40 | 1906.77 | 1927.96 | 3629.02 | 3283.24 | 3874.20 |
| TC0500001584.mm.1 | Por | 254.12 | 242.16 | 232.04 | 474.36 | 434.25 | 508.00 |
| TC1700002313.mm.1 | Plin4 | 17.03 | 18.23 | 18.50 | 28.01 | 28.05 | 30.49 |
| TC1200001602.mm.1 | Prkar2b | 143.89 | 140.73 | 131.30 | 362.21 | 321.65 | 413.00 |
| TC1300001326.mm.1 | Emb | 479.59 | 412.30 | 404.92 | 1127.86 | 962.17 | 1041.24 |
| TC1100003397.mm.1 | Ccl9 | 2758.89 | 2748.91 | 2223.95 | 7313.62 | 6559.46 | 6636.44 |
| TC1100004227.mm.1 | Stra13 | 2418.72 | 2585.65 | 2416.26 | 3825.32 | 4036.30 | 3666.13 |
| TC0500000850.mm.1 | Cxcl2 | 128.69 | 125.67 | 114.03 | 200.14 | 206.63 | 195.87 |
| TC0700004635.mm.1 | Lilra6 | 337.91 | 285.33 | 297.69 | 653.31 | 592.62 | 630.81 |
| TC0500001648.mm.1 | Nxpe5 | 343.68 | 365.67 | 333.92 | 1057.27 | 816.52 | 997.53 |
| TC1100003055.mm.1 | Cd68 | 284925.30 | 288164.60 | 273898.90 | 407490.20 | 379769.20 | 408070.80 |
| TC1400001785.mm.1 | Fam213a | 74.13 | 76.43 | 70.64 | 117.70 | 112.21 | 107.52 |
| TC1100003779.mm.1 | Dhx58 | 228.45 | 213.69 | 195.78 | 402.66 | 376.02 | 409.56 |
| TC0500003180.mm.1 | Oas1g | 577.39 | 603.90 | 529.05 | 982.69 | 1052.29 | 1096.01 |
| TC0600001639.mm.1 | Mgst1 | 101.14 | 98.03 | 96.10 | 179.73 | 156.06 | 174.36 |
| TC0500001251.mm.1 | Pop5 | 68.67 | 68.26 | 70.91 | 89.45 | 90.86 | 95.77 |
| TC0400001639.mm.1 | Stmn1 | 177.99 | 181.58 | 176.64 | 259.55 | 241.18 | 265.28 |
| TC1200001974.mm.1 | Tmem229b | 90.11 | 96.06 | 90.98 | 121.76 | 122.56 | 127.67 |
| TC0600002996.mm.1 | Ret | 56.65 | 44.97 | 50.18 | 148.08 | 133.05 | 165.06 |
| TC0700004285.mm.1 | Cln3 | 288.50 | 286.23 | 264.77 | 404.75 | 396.33 | 418.68 |
| TC1500001730.mm.1 | Ly6c2 | 64474.05 | 61439.24 | 54010.53 | 111287.70 | 114231.70 | 116978.50 |
| TC0700003942.mm.1 | Trim30c | 31.77 | 31.59 | 31.85 | 39.98 | 42.66 | 43.08 |
| TC0700003464.mm.1 | Arrdc4 | 45.99 | 50.26 | 50.23 | 84.00 | 77.77 | 87.33 |
| TC0300000880.mm.1 | Selenbp1 | 48.52 | 48.00 | 49.39 | 65.06 | 60.67 | 63.20 |
| TC0500002895.mm.1 | Gbp10; Gbp6 | 56.33 | 52.92 | 52.79 | 105.47 | 94.51 | 90.78 |
| TC0800000707.mm.1 | Lpl | 61.94 | 56.52 | 49.83 | 342.51 | 228.60 | 323.82 |
| TC0600001279.mm.1 | Pparg | 99.97 | 104.90 | 100.55 | 306.34 | 265.41 | 366.87 |
| TC0200002869.mm.1 | Mcm10 | 52.79 | 53.13 | 52.40 | 75.40 | 71.01 | 78.66 |
| TC0200005290.mm.1 | Zbp1 | 485.79 | 480.79 | 460.28 | 860.79 | 881.28 | 1022.15 |

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|-------------------|--------------------|----------|----------|----------|----------|----------|----------|
| TC1700001299.mm.1 | Epas1 | 237.68 | 234.89 | 213.31 | 781.86 | 638.51 | 892.50 |
| TC1300000838.mm.1 | Fastkd3 | 80.34 | 84.74 | 79.94 | 104.68 | 109.66 | 109.14 |
| TC1100001875.mm.1 | Ttyh2 | 5156.21 | 5084.81 | 4536.89 | 7962.78 | 8150.79 | 7883.92 |
| TC0500001382.mm.1 | Hvcn1 | 54.05 | 48.09 | 45.19 | 129.76 | 109.01 | 130.48 |
| TC1500000580.mm.1 | Grina | 10905.96 | 11445.36 | 9783.24 | 18507.93 | 18226.37 | 18943.33 |
| TC0800003068.mm.1 | Cyba | 10333.51 | 9714.65 | 8908.57 | 18380.49 | 17121.23 | 19294.06 |
| TC1100000822.mm.1 | Pmp22 | 39903.70 | 37430.43 | 35509.57 | 55413.50 | 56524.91 | 57425.10 |
| TC1100001156.mm.1 | Aldoc | 37.02 | 38.08 | 33.53 | 62.76 | 62.72 | 69.23 |
| TC0700000242.mm.1 | Ptgir | 23.83 | 25.77 | 25.08 | 54.43 | 53.23 | 66.21 |
| TC1700000652.mm.1 | Neu1 | 44.82 | 44.17 | 41.89 | 57.67 | 60.34 | 61.24 |
| TC0600003084.mm.1 | Clec4e | 634.84 | 660.15 | 610.08 | 1469.92 | 1245.40 | 1550.40 |
| TC1500000002.mm.1 | Sepp1 | 1222.30 | 1254.36 | 1231.42 | 2006.12 | 1776.50 | 1960.32 |
| TC0400001677.mm.1 | Id3 | 56.96 | 59.39 | 65.47 | 128.04 | 110.57 | 118.82 |
| TC0600003108.mm.1 | C1s1 | 16.08 | 17.20 | 17.76 | 50.61 | 47.78 | 65.52 |
| TC1200001747.mm.1 | Sptssa; Mir1892 | 1380.31 | 1291.08 | 1237.19 | 2080.20 | 2320.17 | 2299.79 |
| TC0800000645.mm.1 | Aadat | 15.33 | 13.82 | 14.51 | 21.38 | 20.64 | 21.66 |
| TC0500002919.mm.1 | Tgfb3 | 160.43 | 145.68 | 137.92 | 384.68 | 311.42 | 348.84 |
| TC0500001796.mm.1 | Ras11a | 26.05 | 27.53 | 30.53 | 51.86 | 59.10 | 57.90 |
| TC0X00003113.mm.1 | Chrdl1 | 49.67 | 48.21 | 50.19 | 67.22 | 64.82 | 70.67 |
| TC1100001634.mm.1 | Atp6v0a1 | 2202.75 | 2164.10 | 2150.48 | 4186.57 | 3723.44 | 4534.12 |
| TC1900000767.mm.1 | Adra2a | 39.11 | 36.01 | 38.92 | 67.61 | 59.41 | 65.26 |
| TC0600002644.mm.1 | Anxa4 | 4963.88 | 4489.11 | 4477.51 | 7295.11 | 7275.09 | 7893.07 |
| TC1200002411.mm.1 | Ckb | 137.91 | 138.40 | 133.42 | 201.06 | 189.29 | 211.99 |
| TC1200001047.mm.1 | Serpina3n | 18.63 | 18.77 | 18.11 | 32.16 | 28.90 | 28.06 |
| TC0200001645.mm.1 | Olfr1284 | 11.66 | 12.14 | 11.90 | 16.73 | 15.39 | 15.90 |
| TC0X00001934.mm.1 | Cfp | 10866.63 | 10177.36 | 9579.14 | 17170.61 | 16207.47 | 15874.72 |
| TC0500003181.mm.1 | Oas1a | 2436.91 | 2576.03 | 2215.69 | 4883.67 | 4468.66 | 5247.54 |
| TC1900001729.mm.1 | Shtn1 | 161.86 | 153.94 | 154.26 | 276.83 | 239.18 | 263.27 |
| TC0400004097.mm.1 | Kcnab2 | 113.12 | 104.99 | 99.23 | 171.38 | 161.53 | 168.43 |
| TC1900000501.mm.1 | Ifit3 | 138.04 | 106.71 | 133.29 | 340.70 | 320.68 | 375.35 |
| TC0600000392.mm.1 | Rab19 | 36.72 | 34.34 | 34.90 | 57.77 | 65.11 | 68.34 |
| TC0600001229.mm.1 | Lmcd1 | 53.01 | 44.64 | 47.18 | 150.22 | 142.88 | 196.33 |
| TC0600001092.mm.1 | Slc6a6 | 18618.06 | 19054.49 | 17135.52 | 27600.63 | 27285.84 | 29395.90 |
| TC0700000786.mm.1 | Klk1b11 | 21.23 | 21.60 | 20.92 | 60.75 | 45.58 | 55.67 |
| TC0700001630.mm.1 | Adm | 79.43 | 85.34 | 92.70 | 460.27 | 339.08 | 559.01 |
| TC0700003943.mm.1 | Trim30a | 1362.87 | 1429.87 | 1218.44 | 2284.30 | 2253.67 | 2396.70 |
| TC1400001054.mm.1 | Lcp1 | 5938.32 | 6089.53 | 5911.61 | 8440.17 | 7732.04 | 8338.16 |
| TC1300000157.mm.1 | Aoah | 670.45 | 814.91 | 657.26 | 2043.86 | 1732.66 | 2150.01 |
| TC1200002525.mm.1 | Serpina3g | 36.89 | 35.69 | 45.75 | 99.21 | 90.85 | 93.52 |
| TC1700000833.mm.1 | Adgrf5 | 89.49 | 81.65 | 72.04 | 160.58 | 161.91 | 172.37 |
| TC0800000096.mm.1 | Arhgef7 | 360.35 | 343.38 | 350.12 | 549.99 | 496.26 | 557.30 |
| TC0400001259.mm.1 | Prdx1 | 1049.19 | 1034.43 | 971.48 | 1390.57 | 1349.67 | 1432.69 |
| TC0800000172.mm.1 | Agpat5 | 571.92 | 575.40 | 586.02 | 828.88 | 813.37 | 912.27 |
| TC1100002649.mm.1 | Tgtp2 | 99.01 | 117.52 | 102.88 | 253.64 | 246.86 | 308.62 |
| TC0800001112.mm.1 | Cpne2 | 765.63 | 705.71 | 676.53 | 1400.20 | 1207.34 | 1290.58 |
| TC0200001851.mm.1 | Gm14085 | 104.41 | 105.94 | 106.69 | 150.20 | 144.04 | 161.63 |
| TC0X00000961.mm.1 | Gdpd2 | 22.97 | 23.17 | 25.06 | 36.17 | 35.01 | 33.34 |
| TC0700004610.mm.1 | Ccnd1; Mir3962 | 1600.22 | 1573.93 | 1451.66 | 2711.20 | 2707.93 | 3148.82 |
| TC0600002917.mm.1 | Camk1 | 264.98 | 253.77 | 254.93 | 332.89 | 340.52 | 361.31 |
| TC0100003743.mm.1 | Mark1 | 96.81 | 91.30 | 90.73 | 244.42 | 195.22 | 258.49 |
| TC0100000524.mm.1 | Adam23 | 196.56 | 180.55 | 163.85 | 349.29 | 342.00 | 391.92 |
| TC0700004633.mm.1 | Gm15448 | 2914.36 | 2672.94 | 2410.64 | 6443.61 | 5359.24 | 6250.95 |
| TC1000000784.mm.1 | Cstb | 40918.73 | 43648.63 | 44011.80 | 64018.78 | 60815.11 | 67921.94 |
| TC0200000037.mm.1 | Phyh | 440.06 | 402.53 | 391.73 | 657.68 | 632.39 | 606.44 |
| TC1400001709.mm.1 | Wdfy4 | 143.98 | 139.40 | 130.16 | 248.05 | 219.08 | 253.96 |
| TC0X00000126.mm.1 | Tspan7 | 48.32 | 54.40 | 49.05 | 74.30 | 76.50 | 78.74 |
| TC0500003395.mm.1 | Hip1 | 341.73 | 335.52 | 291.83 | 631.46 | 590.76 | 689.69 |
| TC0700003592.mm.1 | Man2a2 | 206.43 | 188.27 | 180.64 | 410.33 | 347.92 | 418.33 |
| TC1700002814.mm.1 | C4b | 51.67 | 56.68 | 51.59 | 99.41 | 85.18 | 93.59 |
| TC1300001806.mm.1 | Lymr4 | 568.37 | 538.97 | 609.66 | 867.48 | 822.55 | 856.26 |
| TC1100004282.mm.1 | Mfsd11 | 643.05 | 643.17 | 585.65 | 897.38 | 859.46 | 906.49 |
| TC0500003284.mm.1 | Slc15a4 | 544.37 | 527.54 | 532.03 | 780.08 | 769.68 | 873.33 |
| TC0500002411.mm.1 | Lgi2 | 21.86 | 18.09 | 24.91 | 68.31 | 56.75 | 66.24 |
| TC1500002246.mm.1 | Smagp | 52.90 | 49.45 | 49.50 | 73.53 | 77.13 | 69.50 |
| TC1700000694.mm.1 | Cdsn | 63.12 | 72.92 | 71.45 | 135.18 | 169.30 | 150.79 |
| TC1300002047.mm.1 | Hk3 | 367.40 | 364.20 | 338.86 | 698.45 | 618.50 | 765.54 |
| TC0500003176.mm.1 | Oas3 | 208.93 | 194.80 | 162.34 | 488.51 | 415.17 | 476.77 |
| TC0900003062.mm.1 | Ndufaf3 | 181.29 | 184.99 | 173.29 | 279.24 | 249.94 | 277.36 |
| TC1700000936.mm.1 | B430306N03R ik | 94.38 | 76.13 | 86.72 | 228.45 | 183.75 | 203.24 |
| TC0800002824.mm.1 | Atp6v0d1 | 16994.91 | 15394.26 | 14413.85 | 24682.17 | 25695.04 | 25581.53 |
| TC1800001197.mm.1 | Cd14 | 1362.47 | 1217.04 | 1132.36 | 2297.69 | 2148.81 | 2400.09 |

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|--------------------------------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| TC0600003335.mm.1 | Mgp | 6368.95 | 4969.65 | 6598.70 | 36534.67 | 25115.00 | 42110.59 |
| TC1100001592.mm.1 | Igfbp4 | 1812.56 | 1583.46 | 1498.41 | 3967.77 | 3281.73 | 3967.56 |
| TC1200000225.mm.1 | Cmpk2 | 87.53 | 104.40 | 101.22 | 204.38 | 183.51 | 178.90 |
| TC1600001280.mm.1 | Sdf2l1 | 3665.82 | 2855.60 | 2989.53 | 8738.84 | 7331.17 | 7548.07 |
| TC1800001744.mm.1 | Arhgap26 | 34.71 | 35.68 | 33.76 | 45.12 | 49.50 | 46.59 |
| TC1100002155.mm.1 | Pold2 | 245.50 | 238.55 | 230.35 | 310.67 | 300.36 | 322.80 |
| TC1100001586.mm.1 | Cdc6 | 41.48 | 40.90 | 41.77 | 58.90 | 53.88 | 60.18 |
| TC1600001134.mm.1 | Coro7 | 185.17 | 169.33 | 167.59 | 319.05 | 274.12 | 313.26 |
| TC1700000351.mm.1 | Msrb1 | 1775.21 | 1689.35 | 1587.65 | 2909.83 | 2554.15 | 2861.72 |
| TC1200001110.mm.1 | Evl | 346.03 | 338.30 | 317.36 | 500.31 | 491.16 | 553.53 |
| TC0100002324.mm.1 | Mfsd6 | 300.56 | 333.64 | 284.95 | 543.34 | 491.55 | 540.76 |
| TC1900000175.mm.1 | Pcna-ps2 | 51818.63 | 45230.48 | 41434.75 | 89982.54 | 90489.31 | 100814.90 |
| TC0900001243.mm.1 | Faim | 77.99 | 85.50 | 81.01 | 107.34 | 106.00 | 110.76 |
| TC0900002113.mm.1 | Sorl1 | 36.43 | 36.11 | 36.52 | 51.34 | 47.49 | 53.50 |
| TC0200004363.mm.1 | Grem1 | 115.45 | 96.26 | 78.88 | 269.82 | 310.72 | 296.48 |
| TC1300000543.mm.1 | Rnf144b | 56.36 | 50.48 | 50.29 | 85.90 | 88.81 | 99.79 |
| TC0200001036.mm.1 | Hat1 | 213.53 | 198.41 | 204.29 | 351.64 | 302.48 | 340.12 |
| TC0700002002.mm.1 | Paox | 71.99 | 67.94 | 72.82 | 95.52 | 104.29 | 96.53 |
| TC1300001155.mm.1 | Cd180 | 5792.56 | 5677.77 | 5350.12 | 9185.86 | 8428.32 | 9891.94 |
| TC0200003146.mm.1 | Dpp7 | 770.89 | 686.29 | 672.22 | 1212.45 | 1165.48 | 1337.99 |
| TC0800002757.mm.1 | Slc38a7 | 248.48 | 229.43 | 225.31 | 430.91 | 421.32 | 515.29 |
| TC1700002815.mm.1 | C4a | 26.22 | 27.13 | 26.76 | 39.67 | 35.44 | 36.50 |
| TC1500001431.mm.1 | Lrp12 | 1207.07 | 1124.53 | 994.22 | 1913.09 | 1857.87 | 1938.66 |
| TC0500001992.mm.1 | Cd36 | 7007.11 | 6924.82 | 6333.20 | 10640.58 | 10049.59 | 11440.19 |
| TC1000002453.mm.1 | Pdxk | 419.22 | 417.62 | 349.41 | 853.21 | 833.64 | 1024.62 |
| TC0400002251.mm.1 | Ripk2 | 1209.38 | 1248.85 | 1134.73 | 1638.97 | 1592.51 | 1701.70 |
| TC0200002223.mm.1 | Cst7 | 41.01 | 47.25 | 42.75 | 94.78 | 112.69 | 130.34 |
| TC0300002716.mm.1 | Ahcy1 | 1857.40 | 2014.78 | 1764.93 | 2674.11 | 2697.13 | 2754.61 |
| TC0500001380.mm.1 | Ppp1cc | 15095.44 | 14759.76 | 13687.05 | 19234.77 | 19000.14 | 19146.55 |
| TC1200000838.mm.1 | Batf | 51.46 | 51.19 | 52.34 | 85.73 | 89.29 | 105.40 |
| TC0700002617.mm.1 | Atp1a3 | 281.22 | 259.60 | 242.68 | 545.37 | 452.29 | 489.25 |
| TC0100003528.mm.1 | Sdhc | 1903.49 | 1752.76 | 1699.60 | 2917.97 | 2648.75 | 3000.38 |
| TC0200001365.mm.1 | Rapsn | 27.83 | 23.67 | 27.17 | 50.22 | 56.65 | 47.41 |
| TC0800000937.mm.1 | Asf1b | 1431.52 | 1525.55 | 1357.50 | 2385.49 | 2205.08 | 2557.60 |
| TC0600003212.mm.1 | Clec2j | 46.56 | 49.31 | 47.53 | 77.20 | 69.38 | 81.41 |
| TC0800002799.mm.1 | Cmtm4 | 206.56 | 205.46 | 182.93 | 287.24 | 284.98 | 283.95 |
| TC0300002722.mm.1 | Gstm7 | 38.91 | 41.12 | 37.17 | 51.05 | 51.86 | 50.97 |
| TC1_GL456221_random00000014 .mm.1 | | 3014.00 | 2670.37 | 2853.86 | 4932.95 | 4301.14 | 4755.67 |
| TC0700004487.mm.1 | Adam8 | 6513.21 | 6458.44 | 5702.93 | 9981.24 | 9745.09 | 10866.75 |
| TC1100001264.mm.1 | Wfdc17 | 48681.30 | 51577.43 | 54056.39 | 119932.60 | 94011.02 | 101579.40 |
| TC0800001182.mm.1 | Cmtm3 | 11809.29 | 11192.32 | 10191.24 | 17907.03 | 18020.20 | 20139.79 |
| TC1500001596.mm.1 | E430025E21Ri k | 6439.27 | 6586.43 | 5872.91 | 9250.05 | 9002.94 | 9834.31 |
| TC1900001418.mm.1 | Ch25h | 54213.13 | 49076.66 | 46993.86 | 79897.03 | 77574.75 | 86620.56 |
| TC1300002506.mm.1 | Tmem171 | 69.51 | 64.83 | 70.01 | 141.20 | 139.12 | 114.34 |
| TC1000001506.mm.1 | Avpr1a | 85.20 | 78.14 | 90.95 | 129.79 | 130.56 | 140.08 |
| TC0300001409.mm.1 | Adh1 | 19.76 | 18.47 | 20.35 | 32.13 | 36.32 | 39.69 |
| TC0600000765.mm.1 | Ndnf | 45.65 | 42.17 | 39.97 | 76.31 | 66.27 | 75.68 |
| TC0100000766.mm.1 | Sp100 | 761.58 | 828.56 | 740.80 | 1158.39 | 1074.96 | 1161.86 |
| TC0900002823.mm.1 | Tbcd2b | 430.09 | 440.56 | 396.12 | 618.85 | 646.22 | 702.85 |
| TC1100002567.mm.1 | Pttg1 | 118.21 | 109.37 | 103.91 | 165.89 | 185.95 | 169.85 |
| TC1300000016.mm.1 | Akr1c14 | 17.78 | 16.80 | 16.65 | 21.71 | 21.77 | 20.77 |
| TC0600003503.mm.1 | Herc6 | 218.99 | 220.77 | 198.76 | 293.20 | 297.21 | 285.38 |
| TC0200003354.mm.1 | Phf19 | 71.14 | 65.68 | 67.78 | 88.23 | 90.29 | 95.48 |
| TC1400002067.mm.1 | Slc7a8 | 4880.06 | 5023.98 | 4206.83 | 8203.25 | 7596.59 | 8034.66 |
| TC1100003574.mm.1 | Tmem92 | 21.04 | 21.25 | 21.40 | 29.00 | 27.65 | 26.20 |
| TC0600002056.mm.1 | Wdr91 | 377.46 | 383.68 | 375.18 | 524.07 | 492.98 | 559.13 |
| TC0100002827.mm.1 | Kif1a | 96.51 | 92.89 | 89.74 | 153.31 | 135.12 | 158.98 |
| TC0100002285.mm.1 | Slc40a1 | 25.26 | 25.48 | 23.86 | 54.10 | 43.83 | 57.02 |
| TC1600001071.mm.1 | Ets2 | 122.68 | 119.53 | 106.61 | 209.25 | 181.49 | 196.36 |
| TC0200000477.mm.1 | Rxra | 416.19 | 393.16 | 380.16 | 521.78 | 517.06 | 551.91 |
| TC0700003990.mm.1 | Tpp1 | 9902.88 | 9368.83 | 7987.44 | 16292.25 | 16514.70 | 18051.12 |
| TC1900001030.mm.1 | Fermt3 | 400.40 | 391.10 | 372.25 | 620.82 | 542.92 | 617.74 |
| TC0X00001533.mm.1 | Hsd17b10 | 1309.96 | 1380.56 | 1189.42 | 2137.41 | 1930.59 | 2056.07 |
| TC0100003738.mm.1 | 42430 | 22.65 | 20.16 | 23.40 | 47.27 | 49.44 | 39.35 |
| TC1900000502.mm.1 | Ifit3b | 85.72 | 66.66 | 84.62 | 207.00 | 231.97 | 178.81 |
| TC1600001387.mm.1 | King2 | 71.66 | 79.26 | 62.57 | 157.65 | 144.80 | 181.57 |
| TC0200000888.mm.1 | Pkp4 | 203.78 | 199.69 | 190.50 | 329.66 | 281.79 | 320.33 |
| TC1400000968.mm.1 | Stc1 | 73.15 | 74.39 | 79.91 | 146.10 | 171.02 | 200.29 |
| TC0600000577.mm.1 | Gpnmb | 145687.50 | 147499.40 | 127327.60 | 219215.30 | 238993.80 | 250499.80 |
| TC0800001511.mm.1 | Dpep1 | 182.55 | 182.43 | 164.81 | 283.25 | 257.79 | 297.22 |
| TC0500003573.mm.1 | Tecpr1 | 32.23 | 30.93 | 31.67 | 44.68 | 39.97 | 43.09 |
| TC0400001856.mm.1 | Dhrs3 | 4636.91 | 4546.09 | 4305.48 | 6086.68 | 5643.09 | 6019.29 |

| | | | | | | | |
|-------------------|-------------------|----------|----------|----------|-----------|-----------|-----------|
| TC190000102.mm.1 | Batf2 | 44.10 | 43.47 | 43.52 | 63.38 | 55.95 | 61.48 |
| TC080000564.mm.1 | Dctd | 64.89 | 65.58 | 64.47 | 90.62 | 81.07 | 85.38 |
| TC0700002102.mm.1 | Dhcr7 | 92.28 | 89.46 | 88.91 | 132.87 | 119.86 | 137.69 |
| TC1100001071.mm.1 | Scarf1 | 54.61 | 55.38 | 54.20 | 85.52 | 74.41 | 85.86 |
| TC0200005181.mm.1 | Znfx1 | 340.82 | 336.63 | 314.84 | 499.76 | 446.34 | 496.82 |
| TC0500003404.mm.1 | Tmem120a | 142.43 | 142.14 | 144.10 | 193.85 | 187.97 | 213.58 |
| TC0900001048.mm.1 | Gsta4 | 124.31 | 142.73 | 122.87 | 271.07 | 226.46 | 280.16 |
| TC1700000214.mm.1 | Fpr2; Fpr3 | 38.71 | 44.37 | 43.18 | 65.81 | 77.13 | 77.09 |
| TC1700001522.mm.1 | Fpr1 | 29.79 | 26.85 | 31.90 | 66.60 | 52.81 | 57.83 |
| TC0400002744.mm.1 | Ptgr1 | 239.19 | 235.54 | 237.26 | 320.88 | 291.49 | 322.01 |
| TC1700000657.mm.1 | Lsm2 | 90.23 | 85.78 | 86.97 | 130.41 | 116.11 | 132.51 |
| TC1000003213.mm.1 | Lilr4b | 74869.23 | 82578.41 | 74675.27 | 124391.50 | 109173.80 | 120754.00 |
| TC1100003807.mm.1 | Vat1 | 174.06 | 176.26 | 156.03 | 305.98 | 257.84 | 289.16 |
| TC0100003889.mm.1 | Mnda | 2602.24 | 2718.34 | 2443.70 | 3910.60 | 3527.92 | 3916.89 |
| TC0900002724.mm.1 | Mb21d1 | 58.24 | 54.43 | 57.84 | 83.97 | 74.51 | 79.62 |
| TC1600000367.mm.1 | Tprg | 12.84 | 12.68 | 12.94 | 18.41 | 21.35 | 18.36 |
| TC0200001849.mm.1 | Slc28a2 | 176.07 | 171.68 | 163.72 | 234.81 | 226.38 | 254.91 |
| TC0700003831.mm.1 | P2ry2 | 248.26 | 236.95 | 221.58 | 363.32 | 334.13 | 383.72 |
| TC0700001624.mm.1 | Wee1 | 298.08 | 279.85 | 266.76 | 375.25 | 384.33 | 405.58 |
| TC1200001544.mm.1 | Id2 | 6563.60 | 6590.09 | 5305.90 | 10961.40 | 10880.67 | 11216.55 |
| TC0400002873.mm.1 | Tmem261 | 1422.08 | 1427.42 | 1542.43 | 3269.83 | 2497.82 | 2846.53 |
| TC1400002869.mm.1 | Phf11d; Phf11c | 480.10 | 422.05 | 426.46 | 1204.26 | 886.71 | 1210.44 |
| TC0700000458.mm.1 | Blvrb | 490.34 | 428.33 | 392.88 | 994.20 | 805.74 | 967.79 |
| TC1700002225.mm.1 | Nfya | 181.61 | 171.44 | 179.58 | 240.66 | 219.68 | 236.99 |
| TC0700002143.mm.1 | Lair1 | 512.06 | 508.95 | 473.39 | 757.74 | 671.85 | 756.34 |
| TC1900001551.mm.1 | Erlin1 | 471.13 | 475.06 | 449.90 | 653.63 | 586.20 | 622.46 |
| TC0600001371.mm.1 | Slc6a12 | 31.62 | 29.99 | 30.97 | 38.67 | 43.13 | 41.52 |
| TC0700000853.mm.1 | Bcat2 | 139.20 | 134.05 | 125.76 | 171.80 | 181.97 | 185.71 |
| TC0300001244.mm.1 | Gclm | 1190.97 | 1096.69 | 1054.63 | 2243.60 | 1831.32 | 1896.77 |
| TC1100000094.mm.1 | Zmiz2 | 371.44 | 368.24 | 344.00 | 529.66 | 472.86 | 518.48 |
| TC1600001770.mm.1 | St3gal6 | 35.07 | 31.19 | 32.54 | 42.90 | 44.26 | 44.50 |
| TC1000002714.mm.1 | Plxnc1 | 1280.80 | 1265.38 | 1149.64 | 1938.41 | 1735.54 | 1982.50 |
| TC1500000667.mm.1 | Polr2f | 58150.89 | 55365.24 | 56122.91 | 79645.09 | 71599.54 | 79894.39 |
| TC1800001198.mm.1 | Ndufa2 | 2713.35 | 2789.33 | 2490.76 | 4055.73 | 3671.54 | 4119.96 |
| TC0900001781.mm.1 | Panx1 | 54.21 | 60.61 | 60.13 | 83.63 | 77.88 | 81.27 |
| TC1400002160.mm.1 | Gm6904 | 134.31 | 149.80 | 168.98 | 259.28 | 275.81 | 254.52 |
| TC0X00001371.mm.1 | Rnf128 | 901.65 | 823.50 | 715.54 | 1584.86 | 1416.48 | 1660.86 |
| TC1700001154.mm.1 | Ehd3 | 64.31 | 66.27 | 60.31 | 95.02 | 84.99 | 88.21 |
| TC1100002643.mm.1 | Gm12185; Tgtp1 | 67.20 | 66.60 | 63.30 | 133.10 | 104.65 | 129.42 |
| TC0400003900.mm.1 | Kazn | 27.82 | 25.94 | 27.46 | 38.35 | 36.52 | 34.46 |
| TC1900001770.mm.1 | Taf6l | 58.05 | 54.05 | 53.72 | 71.00 | 69.70 | 75.06 |
| TC1000001216.mm.1 | Kitl | 67.41 | 55.28 | 55.62 | 227.91 | 151.61 | 234.19 |
| TC0500002280.mm.1 | Nsg1 | 286.00 | 294.90 | 263.64 | 438.29 | 459.08 | 530.46 |
| TC1800001307.mm.1 | Cdo1 | 94.98 | 116.68 | 132.17 | 284.20 | 242.33 | 263.24 |
| TC0100003531.mm.1 | Pcp4l1 | 71.63 | 92.84 | 102.84 | 225.60 | 204.89 | 205.68 |
| TC1400001906.mm.1 | Ddhd1; Mir5131 | 166.36 | 171.25 | 167.65 | 221.74 | 202.28 | 220.62 |
| TC1600001287.mm.1 | Pi4ka | 955.74 | 966.13 | 854.56 | 1450.56 | 1328.01 | 1523.23 |
| TC0900000748.mm.1 | Hexa | 67568.25 | 60810.41 | 60343.95 | 87673.84 | 85682.05 | 93274.27 |
| TC1100002046.mm.1 | Hmga1-rs1 | 726.13 | 666.15 | 702.79 | 1737.43 | 1277.89 | 1714.11 |
| TC0100003320.mm.1 | Tor3a | 260.13 | 245.19 | 220.61 | 421.02 | 370.97 | 431.00 |
| TC0600003114.mm.1 | Ptpn6 | 736.34 | 733.28 | 655.83 | 1030.14 | 955.88 | 1021.90 |
| TC0100002965.mm.1 | Steap3 | 79.57 | 77.34 | 71.33 | 125.36 | 113.58 | 108.42 |
| TC0200002298.mm.1 | Id1 | 74.33 | 64.57 | 67.06 | 94.43 | 95.41 | 97.10 |
| TC0200000714.mm.1 | Olfml2a | 16.55 | 16.45 | 18.00 | 28.23 | 33.91 | 27.50 |
| TC1300000336.mm.1 | Dusp22 | 114.78 | 107.99 | 102.54 | 146.73 | 161.44 | 149.24 |
| TC1300002606.mm.1 | Rgs7bp | 31.86 | 31.33 | 30.19 | 65.38 | 50.15 | 61.43 |
| TC1400000340.mm.1 | Ncoa4 | 283.15 | 282.22 | 242.48 | 446.31 | 402.97 | 426.13 |
| TC0600000277.mm.1 | Mest | 17.96 | 17.86 | 19.13 | 25.72 | 23.42 | 26.08 |
| TC0400001382.mm.1 | Ppt1 | 2414.32 | 2430.32 | 2160.72 | 3316.70 | 3141.31 | 3376.16 |
| TC0600002225.mm.1 | Rarres2 | 35.56 | 35.66 | 31.73 | 54.31 | 58.57 | 66.78 |
| TC0800000846.mm.1 | Mcm5 | 436.17 | 423.26 | 339.71 | 764.19 | 722.67 | 799.58 |
| TC1100000531.mm.1 | Rnf130 | 539.95 | 568.46 | 527.75 | 777.83 | 716.46 | 818.47 |
| TC1100003799.mm.1 | Coa3 | 1051.14 | 1031.79 | 972.70 | 1524.60 | 1426.96 | 1684.79 |
| TC1400001671.mm.1 | Stab1 | 6877.69 | 6705.66 | 5938.10 | 10925.66 | 9898.19 | 11662.05 |
| TC0400001039.mm.1 | Lepr | 17.96 | 18.71 | 19.48 | 24.55 | 22.92 | 24.35 |
| TC0200005112.mm.1 | Slpi; Mir7678 | 44.43 | 44.89 | 51.86 | 104.60 | 93.84 | 81.28 |
| TC1700000842.mm.1 | Enpp5 | 32.19 | 33.04 | 35.28 | 81.20 | 66.85 | 98.49 |
| TC1900001769.mm.1 | Tmem179b | 3578.14 | 3366.35 | 3231.05 | 4814.41 | 4437.55 | 4917.62 |
| TC0600001424.mm.1 | C1rb | 80.65 | 86.07 | 65.41 | 174.82 | 147.02 | 165.62 |
| TC0500003236.mm.1 | Vps33a | 407.27 | 375.93 | 333.61 | 605.08 | 602.72 | 673.33 |
| TC0800000955.mm.1 | Cacna1a | 227.34 | 225.94 | 209.04 | 367.86 | 319.12 | 384.97 |

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|--------------------------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| TC0200004776.mm.1 | Ralgapa2 | 68.91 | 71.84 | 64.96 | 93.54 | 97.06 | 106.29 |
| TC1100001785.mm.1 | Milr1 | 2283.84 | 2430.85 | 2077.77 | 3391.79 | 3307.51 | 3674.88 |
| TC1500000787.mm.1 | Parvg | 220.69 | 204.38 | 190.81 | 318.22 | 299.19 | 344.19 |
| TC1100004000.mm.1 | Abca9 | 61.35 | 64.20 | 60.08 | 113.44 | 92.69 | 114.16 |
| TC1100003466.mm.1 | Gdpd1 | 844.32 | 717.95 | 680.05 | 1458.18 | 1294.75 | 1576.81 |
| TC1500000797.mm.1 | Nup50 | 1893.06 | 1850.01 | 1898.01 | 2360.01 | 2531.04 | 2691.06 |
| TC0700001815.mm.1 | Gdpd3 | 35.52 | 38.36 | 30.70 | 66.12 | 58.71 | 69.25 |
| TC0200005097.mm.1 | Ada | 398.29 | 397.28 | 344.17 | 579.41 | 543.38 | 585.39 |
| TC0200003147.mm.1 | Uap1l1 | 223.85 | 207.95 | 188.04 | 388.07 | 349.42 | 441.76 |
| TC1000003019.mm.1 | lrak3 | 244.33 | 228.51 | 224.28 | 311.25 | 305.72 | 288.62 |
| TC1600000662.mm.1 | Cd200r1 | 150.83 | 141.32 | 133.10 | 250.08 | 224.01 | 282.02 |
| TC0700000527.mm.1 | Ppp1r14a | 70.36 | 71.69 | 70.73 | 138.09 | 113.96 | 151.31 |
| TC0400001091.mm.1 | Plpp3 | 222.70 | 189.16 | 163.10 | 393.39 | 370.25 | 416.28 |
| TC0600001369.mm.1 | Usp18 | 3985.69 | 3772.92 | 3217.55 | 5818.47 | 6074.19 | 6096.24 |
| TC1700000148.mm.1 | Sod2 | 101.33 | 100.12 | 89.12 | 133.96 | 139.73 | 147.20 |
| TC1000002467.mm.1 | Plpp2 | 1925.38 | 1852.72 | 1627.04 | 2689.28 | 3043.35 | 2934.25 |
| TC0500003064.mm.1 | Gltp | 2937.46 | 2977.92 | 2825.38 | 5194.23 | 4286.28 | 5294.47 |
| TC1300001954.mm.1 | 1110007C09R ik | 377.71 | 349.07 | 324.89 | 620.55 | 530.83 | 631.10 |
| TC1100000989.mm.1 | Xaf1 | 2026.86 | 1984.48 | 1940.05 | 2609.33 | 2414.84 | 2689.27 |
| TC0600001397.mm.1 | Clec4a1 | 455.57 | 476.96 | 399.26 | 1390.66 | 952.37 | 1375.57 |
| TC0200002270.mm.1 | Angpt4 | 95.78 | 84.69 | 86.01 | 118.59 | 126.65 | 122.42 |
| TC1300001580.mm.1 | Vmn1r189 | 12.39 | 12.37 | 14.01 | 18.72 | 19.94 | 18.02 |
| TC0500003376.mm.1 | Lat2 | 995.82 | 937.57 | 971.51 | 1436.82 | 1509.96 | 1763.53 |
| TC0200005314.mm.1 | Ctsz | 96208.13 | 84942.61 | 84079.62 | 132156.00 | 141036.10 | 155873.20 |
| TC1200001861.mm.1 | Pole2 | 132.68 | 143.21 | 133.25 | 188.37 | 172.71 | 191.34 |
| TC1800000301.mm.1 | Egr1 | 108.30 | 97.61 | 95.60 | 140.87 | 133.74 | 135.57 |
| TC0100003264.mm.1 | Rgl1 | 97.09 | 94.13 | 89.53 | 130.88 | 117.96 | 124.13 |
| TC1_GL456210_random00000004 .mm.1 | | 3507.40 | 3065.45 | 3186.69 | 5462.76 | 4689.74 | 5348.28 |
| TC1100003106.mm.1 | Slc25a11 | 2081.22 | 1937.47 | 1883.08 | 2626.43 | 2490.72 | 2697.99 |
| TC1500000967.mm.1 | Tmem106c | 225.33 | 229.61 | 186.10 | 401.80 | 357.77 | 420.79 |
| TC0100000892.mm.1 | Scly | 76.50 | 83.77 | 72.29 | 144.83 | 119.74 | 144.12 |
| TC0500000785.mm.1 | Stap1 | 297.37 | 307.36 | 259.79 | 448.77 | 436.64 | 492.96 |
| TC0600001422.mm.1 | C1ra | 82.60 | 85.29 | 67.72 | 152.54 | 135.78 | 160.75 |
| TC0200005015.mm.1 | Rbl1 | 358.49 | 371.77 | 318.26 | 499.10 | 517.88 | 550.03 |
| TC0200004623.mm.1 | Cpxm1 | 69.77 | 73.87 | 73.92 | 108.17 | 95.45 | 110.65 |
| TC1800000488.mm.1 | Lvrn | 16.79 | 16.34 | 18.90 | 26.19 | 24.14 | 25.00 |
| TC0700003028.mm.1 | Emp3 | 144804.70 | 136931.30 | 126278.80 | 189893.60 | 180204.60 | 187031.80 |
| TC1700001740.mm.1 | AI413582 | 128.58 | 129.24 | 114.56 | 210.90 | 193.15 | 179.18 |
| TC0600000852.mm.1 | Capg | 1484.10 | 1373.73 | 1305.10 | 2014.51 | 1840.12 | 1954.39 |
| TC0600003370.mm.1 | Slco1a5 | 30.93 | 29.82 | 31.05 | 41.03 | 39.58 | 45.45 |
| TC0100003439.mm.1 | Sft2d2 | 603.49 | 593.05 | 498.27 | 1006.41 | 903.01 | 1060.90 |
| TC0500000541.mm.1 | Rbpj | 2245.76 | 2316.08 | 2179.25 | 3058.02 | 3041.15 | 3489.95 |
| TC0X00002269.mm.1 | Arhgef6 | 314.37 | 315.31 | 289.52 | 444.76 | 396.14 | 435.46 |
| TC0X00000656.mm.1 | Vma21 | 70.22 | 67.43 | 70.26 | 92.10 | 83.44 | 91.31 |
| TC0200002678.mm.1 | Rbm38 | 38.05 | 36.74 | 39.00 | 53.53 | 50.11 | 47.43 |
| TC0900001979.mm.1 | Aplp2 | 2496.94 | 2617.48 | 2436.73 | 3655.68 | 3698.08 | 4355.46 |
| TC1100003326.mm.1 | Evi2a; Evi2b; Gm21975 | 1989.73 | 2025.67 | 1878.46 | 3250.53 | 2852.40 | 3557.65 |
| TC0700001391.mm.1 | Arrb1 | 448.76 | 449.24 | 383.30 | 669.41 | 622.19 | 688.93 |
| TC0100003804.mm.1 | Atf3 | 428.75 | 355.14 | 350.59 | 745.49 | 623.88 | 685.81 |
| TC0600001634.mm.1 | Ptpro | 41.91 | 37.58 | 37.63 | 50.96 | 50.16 | 51.80 |
| TC0100000632.mm.1 | Slc11a1 | 1659.88 | 1702.01 | 1447.30 | 2718.16 | 2567.92 | 3136.08 |
| TC0700002414.mm.1 | Sepw1 | 1901.28 | 1843.52 | 1676.54 | 2814.35 | 2508.74 | 2895.55 |
| TC1800000200.mm.1 | Mocos | 150.88 | 137.24 | 142.90 | 252.49 | 205.77 | 233.28 |
| TC0100001844.mm.1 | Tmem206 | 369.92 | 377.98 | 386.25 | 514.93 | 471.00 | 538.28 |
| TC0900003241.mm.1 | Myd88 | 476.28 | 476.66 | 421.26 | 681.05 | 619.04 | 654.71 |
| TC1400000575.mm.1 | Pnp2 | 1585.53 | 1506.27 | 1462.46 | 2037.63 | 2211.92 | 2400.08 |
| TC0200003209.mm.1 | Slc2a6 | 191.59 | 175.02 | 149.66 | 382.00 | 304.24 | 358.73 |
| TC0500001844.mm.1 | Alox5ap | 91156.09 | 76534.85 | 82545.45 | 118040.80 | 123959.90 | 126775.40 |
| TC0100001526.mm.1 | Creg1 | 1689.56 | 1701.31 | 1577.87 | 2851.67 | 2409.48 | 3010.94 |
| TC0100003341.mm.1 | Pappa2; 1600012P17Ri k | 58.92 | 60.20 | 54.64 | 86.40 | 77.41 | 89.68 |
| TC0500002756.mm.1 | Cxcl10 | 30.04 | 27.68 | 26.86 | 53.52 | 43.71 | 44.63 |
| TC1900000504.mm.1 | lfit1 | 821.11 | 742.19 | 577.67 | 1700.25 | 1663.24 | 2166.65 |
| TC0100002967.mm.1 | Marco | 31.44 | 32.28 | 33.53 | 42.16 | 48.60 | 48.47 |
| TC0700000234.mm.1 | Ap2s1 | 1440.49 | 1403.33 | 1350.39 | 2254.55 | 1966.45 | 2430.98 |
| TC0800001319.mm.1 | Vac14 | 959.70 | 915.68 | 781.91 | 1557.84 | 1450.21 | 1749.29 |
| TC0X00000871.mm.1 | Gm14781 | 7.63 | 6.84 | 7.72 | 10.49 | 9.71 | 10.33 |
| TC0800000538.mm.1 | Acsl1 | 228.87 | 216.11 | 210.64 | 284.94 | 276.36 | 307.06 |
| TC0200004227.mm.1 | Cat | 2975.26 | 3003.89 | 2526.84 | 4358.34 | 4129.66 | 4334.09 |
| TC0900000410.mm.1 | Olfr913 | 10.74 | 9.69 | 9.78 | 13.58 | 12.70 | 13.14 |

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|-------------------------|----------------------|----------|----------|----------|----------|----------|----------|
| TC0600001404.mm.1 | Clec4d | 2080.13 | 2051.52 | 1964.97 | 3440.16 | 2850.77 | 3475.23 |
| TC1400000306.mm.1 | Tkt; Mir3076 | 182.72 | 174.93 | 159.94 | 229.13 | 229.85 | 243.05 |
| TC1500001585.mm.1 | Mtss1 | 204.95 | 189.90 | 186.95 | 297.51 | 256.75 | 284.96 |
| TC0600003428.mm.1 | Bhlhe41 | 728.40 | 614.06 | 700.80 | 1143.01 | 1032.33 | 1236.12 |
| TC1300001285.mm.1 | Esm1 | 13.55 | 13.14 | 15.13 | 25.78 | 34.84 | 26.66 |
| TC0900000184.mm.1 | Icam1 | 211.97 | 197.93 | 184.85 | 283.16 | 266.79 | 298.60 |
| TC0900002369.mm.1 | Scamp5 | 1237.17 | 1080.05 | 1071.66 | 1551.45 | 1594.13 | 1554.37 |
| TC0800000947.mm.1 | Podnl1 | 249.63 | 228.97 | 211.62 | 328.28 | 315.14 | 325.74 |
| TC1700002135.mm.1 | Enpp4 | 48.93 | 46.21 | 45.65 | 64.90 | 59.94 | 69.01 |
| TC0700002636.mm.1 | Ceacam2 | 61.76 | 57.12 | 58.39 | 87.41 | 111.87 | 99.80 |
| TC0500003271.mm.1 | Scarb1 | 161.82 | 149.31 | 142.84 | 264.63 | 220.66 | 268.85 |
| TC1600000346.mm.1 | Rtp4 | 576.62 | 631.32 | 518.08 | 864.20 | 913.75 | 984.16 |
| TC0400001736.mm.1 | Pla2g2e | 59.06 | 58.51 | 55.80 | 108.11 | 84.73 | 103.73 |
| TC1600001019.mm.1 | Slc5a3; Mrps6 | 123.88 | 131.90 | 124.48 | 180.26 | 164.96 | 193.68 |
| TC0600002543.mm.1 | Mrpl19 | 491.05 | 481.93 | 412.34 | 684.49 | 693.98 | 756.73 |
| TC0X00002504.mm.1 | Prkx | 1914.51 | 1968.57 | 1710.09 | 2813.12 | 2533.28 | 2812.18 |
| TC0100001550.mm.1 | Aldh9a1 | 378.11 | 398.15 | 337.12 | 725.56 | 604.00 | 793.58 |
| TC0900002156.mm.1 | C2cd2l | 155.02 | 147.13 | 135.73 | 224.52 | 196.68 | 213.34 |
| TC0700001756.mm.1 | Prkcb | 218.33 | 223.18 | 199.45 | 348.47 | 312.73 | 389.99 |
| TC0400003702.mm.1 | Trnp1 | 15.35 | 13.52 | 14.62 | 20.24 | 22.22 | 19.64 |
| TC1000001596.mm.1 | Stat2 | 1097.89 | 1046.64 | 918.17 | 1796.43 | 1623.98 | 2042.49 |
| TC0500003476.mm.1 | Gm454; AC159257.3 | 166.04 | 174.95 | 187.81 | 593.85 | 364.47 | 484.62 |
| TC0200000850.mm.1 | Galnt13 | 26.74 | 28.18 | 26.55 | 36.54 | 36.90 | 33.09 |
| TC0100000112.mm.1 | Pi15 | 20.78 | 22.94 | 21.11 | 30.05 | 27.67 | 27.72 |
| TC1100001047.mm.1 | Ciuh | 333.31 | 287.88 | 285.46 | 475.84 | 424.93 | 454.40 |
| TC0700004522.mm.1 | Rnh1 | 1199.05 | 1061.46 | 1043.56 | 1623.68 | 1651.11 | 1904.10 |
| TC1100003396.mm.1 | Ccl5 | 442.29 | 390.45 | 392.75 | 647.56 | 563.69 | 591.33 |
| TC1700001021.mm.1 | Alkbh7 | 168.61 | 151.42 | 151.50 | 210.43 | 207.38 | 198.25 |
| TC0600002978.mm.1 | Rassf4 | 1029.23 | 1045.75 | 904.27 | 1581.45 | 1648.47 | 1981.74 |
| TC0700000028.mm.1 | Lilra5 | 60.35 | 53.65 | 50.05 | 90.93 | 79.47 | 86.31 |
| TC0300000491.mm.1 | P2ry1 | 13.86 | 18.09 | 14.95 | 27.36 | 26.17 | 26.27 |
| TC0500002458.mm.1 | Arap2 | 66.73 | 69.41 | 63.92 | 106.44 | 95.76 | 120.77 |
| TC0100003069.mm.1 | Cdk18 | 964.40 | 1002.86 | 859.86 | 1514.26 | 1322.17 | 1514.31 |
| TC0600003375.mm.1 | Ldhb | 57.97 | 51.96 | 58.11 | 85.09 | 75.81 | 76.74 |
| TC0700004620.mm.1 | Sbsn | 59.50 | 56.52 | 51.74 | 85.51 | 78.06 | 76.29 |
| TC0100001382.mm.1 | Rnasel | 205.51 | 187.77 | 198.22 | 326.08 | 278.48 | 347.55 |
| TC1700001689.mm.1 | Nme4 | 64.72 | 61.35 | 56.97 | 99.43 | 84.84 | 88.73 |
| TC0700002422.mm.1 | C5ar1 | 447.31 | 382.31 | 398.98 | 552.72 | 561.31 | 564.48 |
| TC0900000442.mm.1 | Olfir974 | 8.99 | 9.48 | 8.95 | 11.51 | 11.74 | 13.00 |
| TC1200001324.mm.1 | Cdca7l | 104.06 | 111.45 | 101.85 | 130.86 | 135.86 | 144.09 |
| TC1100003872.mm.1 | Plekhm1 | 1084.21 | 1148.90 | 960.70 | 1662.61 | 1499.60 | 1595.81 |
| TC0600001042.mm.1 | Tpra1 | 376.18 | 357.87 | 315.93 | 554.31 | 496.17 | 561.90 |
| TC1000002493.mm.1 | Gamt | 27.64 | 25.27 | 27.61 | 46.44 | 38.60 | 39.41 |
| TC0700000410.mm.1 | Cic | 451.38 | 442.78 | 427.05 | 662.71 | 563.33 | 610.30 |
| TC1700000533.mm.1 | Slc37a1 | 34.80 | 33.18 | 34.21 | 47.96 | 42.05 | 44.06 |
| TC1600000368.mm.1 | Trp63 | 12.39 | 13.04 | 13.17 | 15.89 | 17.67 | 18.08 |
| TC1000003164.mm.1 | Ormdl2 | 88.39 | 81.17 | 86.21 | 160.09 | 124.61 | 153.31 |
| TC0100002838.mm.1 | Dtymk | 179.42 | 169.56 | 154.45 | 227.75 | 241.09 | 257.25 |
| TC0200000383.mm.1 | Psd4 | 132.18 | 135.26 | 126.84 | 198.56 | 178.05 | 219.01 |
| TC1300000082.mm.1 | Prl2c5 | 14.11 | 14.17 | 13.01 | 19.32 | 19.76 | 23.07 |
| TC0900000793.mm.1 | Cln6 | 2060.74 | 1921.22 | 1895.99 | 3016.22 | 2559.29 | 2797.96 |
| TC0100001859.mm.1 | Slc30a1 | 160.34 | 154.86 | 168.25 | 202.04 | 212.52 | 229.26 |
| TC1100004102.mm.1 | Wbp2 | 260.05 | 257.69 | 258.93 | 368.38 | 339.48 | 318.12 |
| TC0300001137.mm.1 | Sort1 | 101.35 | 105.28 | 97.11 | 139.01 | 123.97 | 133.17 |
| TC0300000537.mm.1 | Ptx3 | 17.76 | 21.15 | 23.31 | 70.29 | 47.42 | 79.45 |
| TC0400004023.mm.1 | Angptl7 | 57.38 | 60.32 | 64.55 | 109.33 | 89.56 | 114.52 |
| TC0200001245.mm.1 | Olfir1009 | 9.17 | 8.94 | 9.57 | 12.29 | 12.83 | 11.30 |
| TC1200000865.mm.1 | Cipc | 133.17 | 132.27 | 129.45 | 189.52 | 175.19 | 213.65 |
| TC0400003627.mm.1 | Tinagl1 | 36.08 | 37.03 | 31.99 | 56.59 | 48.61 | 55.35 |
| TC1700000836.mm.1 | Cyp39a1 | 30.01 | 27.13 | 28.03 | 37.01 | 36.61 | 40.80 |
| TC1700000992.mm.1 | Ebi3 | 53.81 | 46.60 | 46.93 | 80.98 | 69.07 | 79.08 |
| TC0100002033.mm.1 | Mcm3 | 147.56 | 131.96 | 129.62 | 193.97 | 192.29 | 221.45 |
| TC1300001263.mm.1 | Ankrd55 | 19.25 | 18.92 | 20.12 | 27.61 | 24.09 | 25.61 |
| TC0700001810.mm.1 | Sgf29 | 99.56 | 105.65 | 91.96 | 144.41 | 129.75 | 142.49 |
| TC0200001222.mm.1 | Ube2l6 | 420.22 | 453.46 | 402.45 | 618.92 | 601.08 | 715.72 |
| TC1300000560.mm.1 | Ninj1 | 114.34 | 99.89 | 103.49 | 214.55 | 168.20 | 226.22 |
| TC0200004896.mm.1 | Trib3 | 18.76 | 18.51 | 19.34 | 22.72 | 25.81 | 24.86 |
| TC1500000183.mm.1 | Ctnnd2 | 33.85 | 36.18 | 36.52 | 50.54 | 44.34 | 47.35 |
| TC0100003888.mm.1 | Ifi204 | 11605.78 | 12656.01 | 11029.32 | 17316.00 | 16247.02 | 19126.30 |
| TC0400004012.mm.1 | Agtrap | 109.60 | 107.86 | 101.98 | 142.26 | 128.46 | 141.40 |
| TSUnmapped00000008.mm.1 | 42430 | 10.36 | 9.15 | 11.31 | 18.46 | 25.90 | 20.98 |
| TC1000002175.mm.1 | Man1a | 1106.87 | 1167.05 | 965.44 | 1815.09 | 1606.33 | 1933.66 |
| TC1100004051.mm.1 | Cd300lb | 402.27 | 386.73 | 318.39 | 682.47 | 628.14 | 797.79 |

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|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|
| TC070000285.mm.1 | Dmpk | 67.38 | 66.12 | 63.97 | 97.97 | 83.13 | 90.89 |
| TC0100003483.mm.1 | Mgst3 | 29.87 | 29.76 | 31.86 | 54.76 | 48.94 | 67.56 |
| TC1100003570.mm.1 | Xylt2 | 466.59 | 475.78 | 414.61 | 701.98 | 617.64 | 719.36 |
| TC0100003319.mm.1 | Soat1 | 8972.23 | 8991.07 | 8277.63 | 12217.25 | 10891.08 | 12167.45 |
| TC0200001985.mm.1 | Ptpa | 7344.21 | 7168.86 | 6890.39 | 9476.82 | 8813.59 | 10136.41 |
| TC1100003156.mm.1 | Gsg2 | 35.20 | 35.73 | 29.30 | 50.74 | 49.91 | 49.46 |
| TC0400001555.mm.1 | Sdc3 | 550.65 | 518.31 | 503.56 | 780.64 | 670.53 | 754.84 |
| TC0700002788.mm.1 | Fxyd1 | 51.39 | 69.14 | 68.75 | 225.07 | 152.91 | 153.21 |
| TC0100000829.mm.1 | Dgkd | 343.03 | 332.65 | 306.21 | 448.88 | 414.85 | 464.97 |
| TC0900002982.mm.1 | Ackr4 | 18.74 | 16.39 | 20.39 | 27.40 | 27.46 | 28.58 |
| TC0200004811.mm.1 | Cd93 | 5674.75 | 5702.56 | 5317.18 | 10021.71 | 7938.88 | 10017.41 |
| TC0800003024.mm.1 | Hsd11 | 222.94 | 195.78 | 180.34 | 339.30 | 295.04 | 318.04 |
| TC0200005145.mm.1 | Slc35c2 | 365.45 | 332.14 | 337.16 | 450.40 | 417.45 | 439.99 |
| TC0200002668.mm.1 | Cass4 | 26.78 | 31.82 | 27.98 | 39.65 | 41.39 | 39.88 |
| TC0800002398.mm.1 | Ssbp4 | 222.58 | 198.54 | 193.70 | 300.24 | 276.08 | 318.97 |
| TC1100000951.mm.1 | Med11 | 945.17 | 1001.30 | 952.34 | 1241.31 | 1406.36 | 1485.41 |
| TC1100004283.mm.1 | Syngn2 | 8338.08 | 7974.80 | 7116.95 | 11276.61 | 10487.31 | 11720.24 |
| TC0500001257.mm.1 | Triap1 | 101.79 | 98.46 | 89.74 | 149.85 | 128.28 | 144.16 |
| TC1100004228.mm.1 | Dcxr | 184.07 | 167.03 | 161.42 | 244.85 | 246.53 | 289.18 |
| TC0400000460.mm.1 | Cita | 1856.44 | 1650.07 | 1774.48 | 2407.79 | 2204.00 | 2285.64 |
| TC0900003266.mm.1 | Cck | 27.14 | 29.48 | 25.56 | 37.53 | 37.60 | 42.30 |
| TC1700000461.mm.1 | Hmga1; Hmga1-rs1 | 761.26 | 800.58 | 710.61 | 1303.20 | 1054.83 | 1259.35 |
| TC0600002109.mm.1 | Hipk2 | 854.62 | 882.06 | 812.28 | 1132.96 | 1053.80 | 1205.84 |
| TC1100000955.mm.1 | Psmb6 | 923.49 | 903.13 | 846.16 | 1219.65 | 1147.36 | 1340.70 |
| TC1500000296.mm.1 | Atp6v1c1 | 3793.50 | 4316.94 | 3780.02 | 5396.90 | 5694.72 | 6228.49 |
| TC0400001160.mm.1 | Rab3b | 19.69 | 19.13 | 19.80 | 26.73 | 33.07 | 33.47 |
| TC0900001182.mm.1 | Slc9a9 | 1267.94 | 1250.05 | 1116.57 | 1820.93 | 1628.50 | 1916.21 |
| TC0600002194.mm.1 | Rbpsuh-rs3 | 26038.57 | 26580.17 | 24023.75 | 34266.61 | 33135.38 | 37979.36 |
| TC0200004548.mm.1 | Itpr1 | 248.63 | 263.81 | 229.29 | 364.69 | 331.43 | 388.42 |
| TC1100001256.mm.1 | Ccl4 | 59.48 | 59.46 | 61.95 | 121.83 | 93.59 | 131.49 |
| TC1100003054.mm.1 | Mpdu1 | 294.03 | 279.83 | 271.56 | 375.60 | 338.19 | 370.60 |
| TC1000000300.mm.1 | Col10a1 | 62.01 | 48.50 | 53.75 | 136.54 | 98.16 | 110.70 |
| TC1600001500.mm.1 | Nrros | 183.52 | 172.62 | 156.87 | 251.14 | 225.99 | 244.13 |
| TC1400001931.mm.1 | Wdhd1 | 124.48 | 126.63 | 121.68 | 186.63 | 162.58 | 200.41 |
| TC1900000500.mm.1 | Ifit2 | 79.51 | 85.19 | 65.65 | 151.05 | 127.62 | 162.41 |
| TC0700004659.mm.1 | Rnf141 | 640.83 | 602.01 | 560.40 | 805.59 | 767.87 | 847.48 |
| TC1400002632.mm.1 | Kctd12; Mir5130 | 477.38 | 453.71 | 409.07 | 803.42 | 651.97 | 818.15 |
| TC0100003664.mm.1 | Psen2 | 72.40 | 64.03 | 71.18 | 111.59 | 93.55 | 109.35 |
| TC1400002746.mm.1 | Gpr183 | 1235.67 | 997.09 | 941.45 | 1860.14 | 1714.63 | 1974.80 |
| TC1600001919.mm.1 | Samsn1 | 59.22 | 55.43 | 52.41 | 73.41 | 68.56 | 72.61 |
| TC1500000045.mm.1 | Lifr | 97.08 | 100.13 | 93.03 | 161.48 | 129.60 | 150.57 |
| TC0X00003437.mm.1 | Il2rg | 564.56 | 602.60 | 533.47 | 718.51 | 753.61 | 803.57 |
| TC0300002506.mm.1 | Fcgr1 | 1444.76 | 1491.93 | 1440.42 | 2006.31 | 1811.73 | 2145.35 |
| TC0600001514.mm.1 | Gm5884 | 4183.08 | 4174.59 | 4018.84 | 6174.08 | 6592.88 | 8160.25 |
| TC0100003891.mm.1 | Ifi203 | 666.67 | 717.23 | 642.20 | 1319.71 | 992.96 | 1203.64 |
| TC0200002170.mm.1 | Naa20 | 377.31 | 361.38 | 378.94 | 517.24 | 498.27 | 449.76 |
| TC1000002586.mm.1 | App2 | 136.31 | 132.20 | 127.71 | 193.61 | 164.72 | 180.27 |
| TC1800001437.mm.1 | Adrb2 | 74.80 | 61.39 | 74.64 | 133.68 | 109.51 | 116.19 |
| TC0800000786.mm.1 | Babam1 | 11067.78 | 10860.47 | 9256.64 | 14323.94 | 15239.72 | 15320.36 |
| TC0X00002423.mm.1 | Xlr4c | 34.09 | 34.95 | 35.18 | 45.19 | 43.08 | 50.32 |
| TC0500002343.mm.1 | Qdpr | 163.46 | 158.79 | 147.17 | 247.28 | 210.83 | 214.56 |
| TC0700003894.mm.1 | Olfr611 | 8.30 | 9.53 | 9.20 | 12.00 | 11.51 | 12.48 |
| TC0500002805.mm.1 | Antxr2 | 1145.48 | 1126.86 | 971.36 | 1453.31 | 1525.74 | 1536.08 |
| TC0500001560.mm.1 | Rfc2 | 174.91 | 164.68 | 145.34 | 223.23 | 223.81 | 224.80 |
| TC0800000648.mm.1 | 2700029M09 Rik | 255.09 | 256.56 | 256.46 | 334.06 | 339.08 | 299.68 |
| TC1100004053.mm.1 | Cd300ld | 217.44 | 220.61 | 211.16 | 260.58 | 287.57 | 300.78 |
| TC1400000784.mm.1 | Psme1 | 263.52 | 245.91 | 223.43 | 321.56 | 327.55 | 336.03 |
| TC0500001649.mm.1 | Lamtor4 | 1373.85 | 1296.10 | 1351.70 | 1706.97 | 1827.63 | 2032.86 |
| TC0500003472.mm.1 | Mcm7; Mir93; Mir25 | 250.00 | 237.33 | 211.04 | 311.95 | 320.71 | 337.09 |
| TC1100004115.mm.1 | Foxj1; Rnf157 | 56.88 | 56.45 | 56.81 | 78.90 | 69.36 | 81.72 |
| TC0800000959.mm.1 | Lyl1 | 318.23 | 262.96 | 230.08 | 695.19 | 500.60 | 638.09 |
| TC0200004502.mm.1 | Spg11 | 172.58 | 174.33 | 155.05 | 241.04 | 219.09 | 256.86 |
| TC0800003224.mm.1 | Zdhhc2 | 535.33 | 486.94 | 473.16 | 675.38 | 620.54 | 663.46 |
| TC0600001193.mm.1 | Itpr1 | 60.82 | 63.17 | 60.62 | 79.18 | 72.27 | 81.62 |
| TC0900001441.mm.1 | Nme6 | 157.49 | 152.19 | 141.96 | 249.65 | 216.61 | 284.47 |
| TC0300000092.mm.1 | Car13 | 775.16 | 736.91 | 532.14 | 1419.54 | 1377.77 | 1684.61 |
| TC1700002771.mm.1 | Nme3 | 147.80 | 144.00 | 118.89 | 228.95 | 205.33 | 242.84 |
| TC0300000555.mm.1 | Mfsd1 | 8240.51 | 8481.72 | 7340.64 | 11459.44 | 11079.55 | 12994.90 |
| TC1300000597.mm.1 | S1pr3 | 34.53 | 31.65 | 28.69 | 43.93 | 43.21 | 46.67 |
| TC1100002224.mm.1 | Fignl1 | 60.41 | 58.87 | 55.59 | 80.96 | 71.02 | 77.19 |

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|----------------------------------|---------------------------|----------|----------|----------|----------|----------|----------|
| TC1400002142.mm.1 | Cryl1 | 216.98 | 187.65 | 177.36 | 289.81 | 271.63 | 300.98 |
| TC1700001463.mm.1 | Gpr31b; Gpr31c | 81.30 | 75.28 | 78.28 | 118.52 | 105.87 | 100.06 |
| TC1100002103.mm.1 | Tcn2 | 4647.37 | 4471.64 | 4180.51 | 6022.15 | 6205.76 | 5479.41 |
| TC0500003175.mm.1 | Oas2 | 1007.80 | 1105.22 | 951.60 | 1563.64 | 1437.49 | 1775.68 |
| TC1000002671.mm.1 | Tmpo | 215.69 | 198.15 | 191.11 | 272.48 | 252.79 | 284.48 |
| TC0700000647.mm.1 | Pepd | 91.81 | 91.51 | 81.71 | 136.33 | 115.73 | 126.84 |
| TC0300003215.mm.1 | Hist2h2aa1; Hist2h2aa2 | 1964.76 | 1831.43 | 2025.08 | 2730.56 | 2568.61 | 2399.57 |
| TC1700001902.mm.1 | Psmb9 | 55.00 | 53.35 | 53.48 | 69.38 | 69.53 | 80.96 |
| TC1100003575.mm.1 | Gm11546 | 28.88 | 27.29 | 28.11 | 36.99 | 37.58 | 33.23 |
| TC0600001877.mm.1 | Gpr85 | 35.02 | 40.71 | 38.53 | 56.88 | 50.72 | 59.64 |
| TC0X00002995.mm.1 | Gla | 3282.71 | 3347.25 | 2835.43 | 4357.11 | 5040.75 | 4613.66 |
| TC1200001552.mm.1 | Rsad2 | 125.16 | 109.17 | 129.66 | 242.34 | 192.13 | 193.10 |
| TC0100001173.mm.1 | Rab7b | 1219.27 | 1184.07 | 1050.07 | 1600.88 | 1537.76 | 1752.54 |
| TC1700002822.mm.1 | H2-T22; H2-T9 | 379.06 | 388.87 | 323.26 | 523.04 | 499.02 | 538.81 |
| TC0100001985.mm.1 | Eya1 | 65.84 | 67.56 | 63.90 | 90.55 | 82.59 | 99.04 |
| TC0800000844.mm.1 | Tom1 | 432.78 | 431.28 | 385.26 | 590.15 | 628.48 | 737.80 |
| TC0700000896.mm.1 | Nav2; Gm2788 | 102.58 | 97.08 | 93.79 | 127.85 | 116.68 | 129.19 |
| TC1100000078.mm.1 | Dbnl | 163.48 | 150.72 | 149.47 | 195.01 | 188.74 | 209.99 |
| TC0500003063.mm.1 | Trpv4 | 153.17 | 129.34 | 126.82 | 223.59 | 192.73 | 220.73 |
| TC0600000344.mm.1 | Nup205 | 351.61 | 370.35 | 323.68 | 448.64 | 463.78 | 504.55 |
| TC1300000919.mm.1 | GlrX | 947.14 | 959.91 | 728.35 | 1457.72 | 1805.16 | 1694.69 |
| TC0800002992.mm.1 | Maf | 4893.29 | 4798.33 | 4315.94 | 7166.83 | 6147.33 | 7275.61 |
| TC1_GL456210_random00000011.mm.1 | | 2325.82 | 1916.61 | 2176.71 | 2949.90 | 3028.28 | 2935.83 |
| TC1200002524.mm.1 | Serpina3f | 17.68 | 20.29 | 17.39 | 25.52 | 26.76 | 24.24 |
| TC0900001042.mm.1 | Elovl5 | 858.70 | 792.94 | 771.43 | 1079.13 | 993.99 | 1122.72 |
| TC1600001556.mm.1 | Parp14 | 327.22 | 363.57 | 317.30 | 466.18 | 460.98 | 539.09 |
| TC0600002690.mm.1 | Mcm2 | 222.06 | 208.15 | 188.79 | 311.62 | 305.65 | 377.85 |
| TC1300001265.mm.1 | Il6st | 4345.99 | 4316.16 | 3981.07 | 6689.10 | 5487.50 | 6478.04 |
| TC0400003379.mm.1 | Atp6v0b | 3978.49 | 3739.01 | 3259.84 | 5883.29 | 5232.91 | 6346.58 |
| TC0200003362.mm.1 | Stom | 7981.12 | 8122.07 | 6858.64 | 10801.63 | 10175.61 | 10697.74 |
| TC0200005114.mm.1 | Sdc4 | 121.93 | 111.23 | 109.54 | 193.42 | 154.50 | 173.45 |
| TC1200001277.mm.1 | Pacs2 | 435.71 | 421.83 | 367.79 | 567.69 | 545.31 | 601.18 |
| TC1300000262.mm.1 | Hist1h1a | 56.84 | 51.77 | 60.78 | 80.20 | 88.56 | 100.88 |
| TC0300002695.mm.1 | Cd53 | 19464.83 | 19140.70 | 16560.19 | 24856.79 | 26963.47 | 28849.07 |
| TC0600002697.mm.1 | Plxna1 | 4545.56 | 4357.42 | 4086.52 | 5845.81 | 5327.26 | 6077.78 |
| TC1100000726.mm.1 | Nlrp3 | 318.68 | 333.21 | 283.15 | 443.38 | 414.32 | 475.35 |
| TC0800000758.mm.1 | Lrrc25 | 104.85 | 89.96 | 101.46 | 134.49 | 135.07 | 153.07 |
| TC0200004537.mm.1 | Atp8b4 | 204.13 | 217.07 | 185.99 | 289.23 | 264.24 | 305.24 |
| TC0600002114.mm.1 | Parp12 | 3709.85 | 3675.00 | 3162.23 | 5380.57 | 4760.99 | 5599.76 |
| TC0800001247.mm.1 | Prmt7 | 86.41 | 77.39 | 76.93 | 102.56 | 99.59 | 108.60 |
| TC1100003086.mm.1 | Slc16a13 | 50.60 | 56.97 | 58.92 | 81.01 | 74.51 | 72.73 |
| TC1700000036.mm.1 | Zdhhc14 | 214.32 | 197.28 | 174.45 | 310.39 | 278.70 | 338.82 |
| TC0500001610.mm.1 | Ift22 | 538.31 | 469.22 | 516.99 | 635.48 | 703.80 | 692.25 |
| TC1300000638.mm.1 | Tspan17 | 440.23 | 375.52 | 399.37 | 614.35 | 542.35 | 549.05 |
| TC1300000174.mm.1 | Hist1h3h | 74.87 | 71.88 | 80.10 | 93.99 | 107.93 | 99.60 |
| TC0X00000677.mm.1 | Xlr4b | 45.97 | 42.50 | 50.01 | 58.79 | 61.79 | 62.18 |
| TC0X00001634.mm.1 | Phka2 | 278.52 | 289.91 | 259.02 | 345.31 | 360.06 | 394.78 |
| TC1200002224.mm.1 | Ttc7b | 305.55 | 277.79 | 244.46 | 417.24 | 385.59 | 433.57 |
| TC1100003115.mm.1 | Scimp | 219.15 | 184.64 | 204.37 | 348.27 | 318.34 | 438.11 |
| TC0200001761.mm.1 | Gchfr | 26.03 | 25.15 | 28.93 | 40.30 | 34.77 | 41.03 |
| TC0300002492.mm.1 | Plekho1 | 1118.32 | 1021.39 | 968.22 | 1426.51 | 1300.95 | 1353.92 |
| TC0200005402.mm.1 | Lama5 | 68.02 | 61.83 | 62.79 | 87.01 | 79.14 | 92.09 |
| TC0X00001665.mm.1 | Pir | 58.25 | 54.14 | 53.72 | 88.38 | 71.81 | 78.35 |
| TC0800003171.mm.1 | Agt | 27.32 | 23.26 | 24.89 | 41.95 | 35.07 | 35.85 |
| TC0500003507.mm.1 | Snx8 | 264.26 | 263.01 | 243.52 | 451.49 | 351.63 | 453.71 |
| TC1100002069.mm.1 | Metrl | 246.10 | 237.16 | 206.10 | 363.63 | 312.60 | 370.99 |
| TC0500003742.mm.1 | Tmem184a | 12.22 | 12.95 | 12.71 | 16.18 | 19.59 | 16.97 |
| TC0300001161.mm.1 | Vav3 | 162.28 | 159.06 | 160.94 | 230.07 | 206.58 | 259.78 |
| TC1900000127.mm.1 | Ppp1r14b | 731.40 | 682.65 | 703.71 | 936.76 | 846.56 | 984.72 |
| TC1500001528.mm.1 | Tnfrsf11b | 665.69 | 588.89 | 555.82 | 1415.89 | 972.96 | 1383.16 |
| TC0800002842.mm.1 | Psmb10 | 203.17 | 176.55 | 165.07 | 294.47 | 252.18 | 294.20 |
| TC1900000022.mm.1 | Acy3 | 36.42 | 32.46 | 31.45 | 43.15 | 42.08 | 42.76 |
| TC0Y00000223.mm.1 | Erdr1 | 1979.51 | 1629.86 | 1657.47 | 3287.32 | 2568.68 | 3182.45 |
| TC1700001209.mm.1 | Galm | 115.17 | 105.02 | 107.46 | 185.07 | 164.80 | 232.16 |
| TC1900000693.mm.1 | Tmem180 | 59.28 | 57.62 | 49.58 | 82.99 | 73.71 | 81.47 |
| TC1500001838.mm.1 | Rac2 | 8075.59 | 6973.53 | 5679.82 | 12604.75 | 11430.98 | 12950.32 |
| TC1400000574.mm.1 | Pnp | 1673.03 | 1595.91 | 1576.12 | 2560.08 | 2233.97 | 2996.42 |
| TC0600001474.mm.1 | D6Wsu163e | 500.34 | 475.14 | 418.28 | 635.51 | 625.25 | 698.86 |

| | | | | | | | |
|-------------------|---------------------------|----------|----------|----------|----------|----------|-----------|
| TC1500000591.mm.1 | Mroh1; Mir6954 | 220.17 | 212.93 | 185.15 | 326.14 | 283.38 | 350.48 |
| TC1400002454.mm.1 | Lacc1 | 287.39 | 294.85 | 261.38 | 374.96 | 357.05 | 414.46 |
| TC0100003058.mm.1 | Srgap2 | 551.65 | 536.42 | 491.99 | 770.43 | 709.81 | 892.53 |
| TC1600000033.mm.1 | Hmox2 | 723.58 | 687.64 | 687.15 | 941.19 | 859.14 | 1032.90 |
| TC0100002420.mm.1 | Gm11578 | 7.71 | 8.52 | 8.40 | 14.23 | 12.55 | 11.03 |
| TC1100003836.mm.1 | Slc25a39 | 373.96 | 339.17 | 336.40 | 447.40 | 415.33 | 441.29 |
| TC1800000606.mm.1 | Gm4951 | 237.37 | 288.27 | 222.91 | 429.09 | 402.30 | 526.01 |
| TC1100003333.mm.1 | Snrnp25 | 227.06 | 227.06 | 249.62 | 312.69 | 334.37 | 288.08 |
| TC1300001449.mm.1 | Edaradd | 37.74 | 31.87 | 34.58 | 55.32 | 46.08 | 53.95 |
| TC0400002097.mm.1 | Cpsf3l | 312.81 | 299.63 | 280.47 | 412.32 | 361.60 | 409.19 |
| TC0500001239.mm.1 | Oas2 | 938.69 | 994.34 | 829.11 | 1376.66 | 1224.35 | 1438.95 |
| TC1500001658.mm.1 | St3gal1 | 478.05 | 466.66 | 425.54 | 628.90 | 588.25 | 705.64 |
| TC0300002501.mm.1 | Hist2h2aa1; Hist2h2aa2 | 1773.62 | 1771.02 | 1885.85 | 2299.41 | 2555.86 | 2198.05 |
| TC0100000386.mm.1 | Ormdl1 | 35.26 | 38.01 | 33.02 | 51.01 | 45.11 | 53.31 |
| TC1100001999.mm.1 | Gaa | 1917.90 | 1828.39 | 1609.46 | 2710.32 | 2359.83 | 2765.54 |
| TC0100003401.mm.1 | Fmo1 | 14.22 | 14.46 | 15.00 | 17.54 | 18.99 | 20.76 |
| TC0400004062.mm.1 | Car6 | 31.60 | 27.90 | 34.49 | 61.77 | 46.83 | 51.85 |
| TC0600001398.mm.1 | Clec4a3 | 765.23 | 692.80 | 657.20 | 1052.10 | 925.59 | 1128.68 |
| TC0400003708.mm.1 | Zdhhc18 | 689.31 | 698.86 | 612.35 | 917.34 | 826.06 | 918.49 |
| TC0200001894.mm.1 | Fgf7 | 214.92 | 212.18 | 196.95 | 375.25 | 308.79 | 450.46 |
| TC0800003076.mm.1 | Aprt | 442.34 | 396.17 | 354.41 | 567.02 | 542.06 | 561.65 |
| TC1300001383.mm.1 | Akr1e1 | 195.83 | 179.62 | 179.36 | 246.71 | 220.67 | 250.41 |
| TC1000002727.mm.1 | Mrpl42 | 22897.96 | 23067.70 | 25370.03 | 33610.64 | 29037.26 | 32588.96 |
| TC1600000529.mm.1 | Hcls1 | 3477.21 | 3201.65 | 3208.73 | 5636.28 | 4345.46 | 5253.34 |
| TC0600003048.mm.1 | Bid | 90.81 | 84.35 | 82.26 | 112.86 | 115.95 | 136.92 |
| TC1300001139.mm.1 | Taf9; Ak6 | 564.51 | 495.80 | 510.37 | 687.98 | 633.07 | 678.53 |
| TC1700002534.mm.1 | Dpy30 | 39.17 | 36.56 | 37.53 | 57.55 | 47.02 | 56.57 |
| TC1200000279.mm.1 | Nampt | 3730.35 | 3601.68 | 3243.61 | 5418.20 | 4853.63 | 6298.50 |
| TC0100003124.mm.1 | Rnpep | 653.11 | 636.85 | 616.88 | 1062.73 | 826.30 | 924.85 |
| TC0500000057.mm.1 | Tmem243 | 50.22 | 48.91 | 53.59 | 76.90 | 64.39 | 79.60 |
| TC0100000476.mm.1 | Cd28 | 26.35 | 24.55 | 23.28 | 35.18 | 30.60 | 35.69 |
| TC1300000191.mm.1 | Hist1h2bk | 144.12 | 119.95 | 145.03 | 194.22 | 203.40 | 183.66 |
| TC0100003595.mm.1 | Gm16340 | 1347.73 | 1408.78 | 1168.12 | 2211.43 | 1786.69 | 2074.60 |
| TC1000000892.mm.1 | Pip5k1c | 178.00 | 171.30 | 164.13 | 234.20 | 204.16 | 236.39 |
| TC0900003318.mm.1 | Ppp2r3d; Ppp2r3a | 61.02 | 57.41 | 56.30 | 78.90 | 68.80 | 77.25 |
| TC0900000816.mm.1 | Snapc5 | 286.18 | 268.54 | 315.05 | 362.40 | 379.87 | 394.37 |
| TC1700002571.mm.1 | Cyp1b1 | 277.43 | 271.51 | 224.14 | 484.69 | 414.18 | 602.53 |
| TC1100000582.mm.1 | Cdkn2aipnl | 3423.22 | 3173.29 | 2583.41 | 4947.38 | 4517.99 | 4971.18 |
| TC0100003051.mm.1 | Mapkapk2 | 6271.30 | 6686.47 | 5836.20 | 8901.12 | 8177.16 | 10038.85 |
| TC0100001170.mm.1 | Fam72a | 31.87 | 28.10 | 32.33 | 56.41 | 49.04 | 42.73 |
| TC0100003736.mm.1 | Hlx | 103.30 | 110.80 | 98.00 | 135.78 | 154.91 | 171.34 |
| TC0600000705.mm.1 | Vmn1r28 | 20.23 | 18.93 | 19.53 | 25.46 | 26.28 | 22.84 |
| TC0300000697.mm.1 | Etv3 | 86.40 | 91.50 | 77.66 | 111.71 | 106.44 | 111.73 |
| TC0400004034.mm.1 | Pgd | 743.85 | 692.30 | 617.55 | 937.63 | 897.43 | 1013.57 |
| TC1500000389.mm.1 | Nov | 18.70 | 18.77 | 21.32 | 40.72 | 29.79 | 31.14 |
| TC1400001559.mm.1 | Comtd1 | 43.03 | 44.66 | 42.61 | 60.60 | 51.48 | 60.04 |
| TC0700002750.mm.1 | Sdhaf1 | 59.64 | 60.60 | 58.86 | 79.29 | 70.88 | 85.03 |
| TC0X00001054.mm.1 | Pbdc1 | 94.82 | 82.09 | 83.44 | 107.80 | 111.43 | 109.08 |
| TC1500000423.mm.1 | Ndufb9 | 6853.57 | 5759.46 | 5882.02 | 8181.32 | 8323.08 | 9202.05 |
| TC0400003847.mm.1 | Pqlc2 | 143.85 | 142.95 | 125.76 | 187.75 | 173.32 | 201.62 |
| TC1100002045.mm.1 | Rac3 | 125.25 | 125.07 | 112.67 | 223.49 | 166.38 | 219.72 |
| TC0200004953.mm.1 | Ahcy; Gm4737 | 365.49 | 336.63 | 297.66 | 488.53 | 440.42 | 503.42 |
| TC0100000375.mm.1 | Stat1 | 2520.11 | 2278.41 | 2176.81 | 3189.57 | 2860.68 | 3166.24 |
| TC0200005496.mm.1 | Fam78a | 38.53 | 36.06 | 33.86 | 50.07 | 43.98 | 47.40 |
| TC1800000890.mm.1 | Cyb5a | 904.05 | 842.94 | 857.45 | 1457.07 | 1132.69 | 1246.82 |
| TC1900000211.mm.1 | Slc15a3 | 1238.68 | 1132.45 | 1051.09 | 1779.97 | 1477.30 | 1736.75 |
| TC0100001711.mm.1 | Parp1; Mir6904 | 245.68 | 219.57 | 208.43 | 317.71 | 282.41 | 311.58 |
| TC1500001754.mm.1 | Tsta3 | 346.34 | 306.34 | 283.71 | 466.32 | 411.98 | 480.42 |
| TC0100000103.mm.1 | Ly96 | 68908.45 | 77919.91 | 68650.48 | 96735.52 | 89159.77 | 102805.00 |
| TC1100001565.mm.1 | Stard3 | 350.50 | 340.67 | 308.11 | 500.43 | 417.92 | 473.39 |
| TC0800000756.mm.1 | Isyna1 | 106.35 | 103.45 | 83.93 | 169.09 | 146.45 | 193.69 |
| TC0X00002417.mm.1 | Xlr4a | 33.62 | 37.39 | 35.11 | 50.45 | 47.23 | 60.23 |
| TC1100004264.mm.1 | Mgat4b; Mir6919 | 102.83 | 87.98 | 82.46 | 144.99 | 125.84 | 153.99 |
| TC1300002247.mm.1 | Zfp459 | 45.81 | 43.05 | 44.98 | 59.53 | 51.75 | 58.20 |
| TC0100000222.mm.1 | Imp4 | 874.83 | 770.45 | 745.86 | 1055.50 | 995.54 | 1086.52 |
| TC0300000722.mm.1 | Gimp | 1495.88 | 1446.83 | 1312.25 | 1966.16 | 1727.90 | 1899.17 |
| TC1400001573.mm.1 | Dlg5 | 103.04 | 101.52 | 94.11 | 132.71 | 117.61 | 134.20 |
| TC0200004942.mm.1 | E2f1 | 169.45 | 179.16 | 155.74 | 224.35 | 206.90 | 237.17 |

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|---------------------------------------|------------|----------|----------|----------|----------|----------|----------|
| TC1100004301.mm.1 | Trim47 | 82.10 | 69.99 | 71.80 | 111.40 | 95.43 | 104.93 |
| TC1400000176.mm.1 | Plau | 7376.70 | 7515.71 | 6361.65 | 9630.87 | 9220.04 | 10528.22 |
| TC0100003890.mm.1 | Mndal | 311.88 | 322.48 | 316.54 | 506.24 | 399.73 | 439.92 |
| TC0200001368.mm.1 | Spi1 | 4106.56 | 4166.80 | 3594.97 | 5534.50 | 5081.33 | 6041.86 |
| TC0600001521.mm.1 | Clec2i | 20.47 | 20.79 | 23.59 | 26.89 | 28.07 | 26.82 |
| TC0X00000724.mm.1 | Xlr4d-ps | 74.03 | 69.69 | 87.49 | 120.24 | 134.80 | 170.06 |
| TC0700002718.mm.1 | Kcnk6 | 430.89 | 457.60 | 330.26 | 646.00 | 679.25 | 661.07 |
| TC1700000318.mm.1 | Pkmyt1 | 37.76 | 35.56 | 33.33 | 50.09 | 43.48 | 46.02 |
| TC1100000362.mm.1 | Lcp2 | 5250.68 | 5241.19 | 4859.99 | 7683.45 | 6286.94 | 7052.68 |
| TC0100001016.mm.1 | Zcchc2 | 231.83 | 237.12 | 225.24 | 316.81 | 271.17 | 315.24 |
| TC0800001407.mm.1 | Plcg2 | 432.85 | 434.63 | 395.43 | 615.30 | 518.10 | 621.20 |
| TC0500001389.mm.1 | Vps29 | 501.81 | 487.72 | 474.40 | 640.55 | 564.10 | 650.97 |
| TC0900001423.mm.1 | Nckipsd | 131.93 | 119.78 | 123.47 | 188.23 | 153.96 | 177.68 |
| TC0300002297.mm.1 | Apoa1bp | 8042.57 | 8722.59 | 7408.63 | 10684.42 | 9940.83 | 10867.66 |
| TC0600001243.mm.1 | Mtmr14 | 266.60 | 267.18 | 225.99 | 372.00 | 327.78 | 380.33 |
| TC1500000775.mm.1 | Bik | 45.00 | 48.43 | 42.74 | 59.48 | 55.92 | 65.32 |
| TC1000000744.mm.1 | Lss | 143.74 | 134.31 | 121.93 | 187.88 | 166.23 | 181.08 |
| TC0700002693.mm.1 | Timm50 | 78.15 | 82.97 | 82.48 | 113.01 | 96.89 | 115.93 |
| TC1200001768.mm.1 | Nfkbia | 369.09 | 314.30 | 312.87 | 423.35 | 437.85 | 446.79 |
| TC0700003693.mm.1 | Olfr305 | 13.99 | 13.91 | 16.46 | 19.16 | 19.70 | 19.19 |
| TC0400003680.mm.1 | Smpdl3b | 260.34 | 230.08 | 227.52 | 300.60 | 290.58 | 310.69 |
| TC1800000484.mm.1 | Ap3s1 | 11143.38 | 10840.23 | 11077.16 | 17741.12 | 14098.73 | 18548.11 |
| TC1400000501.mm.1 | Cdkn3 | 1069.22 | 1160.38 | 1252.77 | 1815.59 | 1487.77 | 1755.70 |
| TC0400001790.mm.1 | Hspb7 | 44.58 | 35.99 | 40.58 | 154.61 | 77.88 | 109.83 |
| TC0800000017.mm.1 | Stxbp2 | 1120.49 | 1074.12 | 1068.96 | 1513.78 | 1285.81 | 1524.43 |
| TC0900001348.mm.1 | Abhd14b | 42.56 | 38.75 | 38.87 | 57.73 | 52.43 | 67.53 |
| TC0800001493.mm.1 | Cdt1 | 68.05 | 58.86 | 65.59 | 103.86 | 83.29 | 92.83 |
| TC1300001634.mm.1 | Hist1h2ae | 67.45 | 64.32 | 67.10 | 90.65 | 77.77 | 91.69 |
| TC0300000897.mm.1 | Cers2 | 498.84 | 445.53 | 437.87 | 598.99 | 556.36 | 622.23 |
| TC0800003031.mm.1 | Cotl1 | 2283.62 | 1821.23 | 1764.11 | 3343.90 | 2793.74 | 3260.06 |
| TC1200001237.mm.1 | Tnfaip2 | 388.70 | 402.25 | 356.74 | 508.53 | 462.08 | 537.51 |
| TC0600003123.mm.1 | Gpr162 | 28.77 | 24.80 | 23.99 | 45.88 | 35.76 | 47.48 |
| TC1100003379.mm.1 | Slnf9 | 297.10 | 294.43 | 265.35 | 414.05 | 351.71 | 419.54 |
| TC0900000031.mm.1 | Casp1 | 472.02 | 422.24 | 420.91 | 786.35 | 625.62 | 916.19 |
| TC0100002151.mm.1 | Ccdc115 | 78.40 | 92.90 | 78.07 | 137.24 | 113.21 | 147.03 |
| TC1000000783.mm.1 | Gm10146 | 1795.46 | 1463.08 | 1538.01 | 2235.89 | 2113.36 | 2408.21 |
| TC0X00003276.mm.1 | Ppef1 | 13.22 | 13.50 | 14.85 | 16.93 | 19.59 | 17.76 |
| TC0400000436.mm.1 | Tesk1 | 97.67 | 102.79 | 92.30 | 130.39 | 119.22 | 143.10 |
| TC0200003165.mm.1 | Fcna | 54.46 | 53.57 | 53.89 | 65.42 | 69.45 | 79.59 |
| TC0300002348.mm.1 | Adam15 | 979.16 | 939.63 | 859.69 | 1322.15 | 1144.12 | 1372.89 |
| TC1400001524.mm.1 | Gng2 | 1013.23 | 871.44 | 828.67 | 1275.56 | 1188.31 | 1369.53 |
| TC0300002728.mm.1 | Gstm4 | 759.08 | 700.61 | 606.00 | 980.59 | 918.00 | 953.57 |
| TC1_GL456212_random00000008 .mm.1 | | 225.78 | 223.27 | 212.65 | 306.45 | 293.53 | 258.44 |
| TC1900000993.mm.1 | Pola2 | 249.73 | 248.30 | 212.14 | 333.11 | 301.55 | 349.97 |
| TC1600002080.mm.1 | Tmem50b | 4236.64 | 4514.65 | 3707.25 | 5533.34 | 5796.71 | 6528.47 |
| TC1800000534.mm.1 | Snx2 | 14502.67 | 14094.15 | 13740.41 | 18433.34 | 17065.83 | 20791.92 |
| TC1100002176.mm.1 | Myo1g | 286.41 | 271.77 | 253.39 | 403.58 | 340.01 | 425.94 |
| TC1700002288.mm.1 | Mrps36-ps1 | 1952.25 | 1519.20 | 1725.56 | 2835.32 | 2400.99 | 2975.28 |
| TC0200004970.mm.1 | Edem2 | 296.03 | 266.37 | 254.34 | 367.77 | 338.39 | 395.44 |
| TC1000001203.mm.1 | Poc1b | 263.31 | 233.40 | 221.48 | 354.03 | 304.68 | 362.74 |
| TC1700001130.mm.1 | Myom1 | 26.95 | 29.01 | 27.76 | 32.72 | 37.23 | 38.71 |
| TC1800001048.mm.1 | B4galt6 | 4479.57 | 4517.37 | 3938.86 | 6104.86 | 5557.55 | 6897.20 |
| TC1800000063.mm.1 | Colec12 | 3140.64 | 3073.89 | 2520.22 | 4613.26 | 4176.39 | 5433.52 |
| TC1900001137.mm.1 | Ms4a6d | 27641.62 | 26494.06 | 24861.79 | 38526.88 | 31943.33 | 37684.59 |
| TC1100001265.mm.1 | Wfdc18 | 25.34 | 27.78 | 27.33 | 35.28 | 44.79 | 36.73 |
| TC0400002275.mm.1 | Atp6v0d2 | 258.73 | 227.84 | 223.16 | 385.24 | 326.18 | 451.58 |
| TC0300001447.mm.1 | Gbp2 | 243.10 | 202.11 | 180.88 | 390.28 | 308.40 | 409.37 |
| TC0900001603.mm.1 | Eif1b | 1417.62 | 1314.27 | 1198.28 | 1883.34 | 1736.94 | 2191.89 |
| TC1300001461.mm.1 | Gpr137b | 5464.41 | 5507.77 | 5155.34 | 7366.90 | 6586.79 | 8245.21 |
| TC1900000889.mm.1 | Ndufs8 | 18588.81 | 16483.55 | 14117.32 | 23037.71 | 25087.95 | 27145.96 |
| TC0600003342.mm.1 | Eps8 | 59.59 | 54.67 | 55.45 | 83.13 | 68.78 | 84.12 |
| TC0800000737.mm.1 | Nr2c2ap | 203.72 | 181.80 | 171.88 | 241.24 | 234.20 | 263.63 |
| TC1000002093.mm.1 | Aim1 | 42.54 | 38.91 | 38.50 | 55.44 | 47.40 | 52.44 |
| TC1800000682.mm.1 | Sec11c | 340.75 | 365.48 | 353.42 | 427.02 | 453.74 | 515.88 |
| TC1500002250.mm.1 | Galnt6 | 85.69 | 90.38 | 78.35 | 119.28 | 104.25 | 124.42 |
| TC1900000888.mm.1 | Tcirg1 | 3076.82 | 3077.79 | 2651.47 | 4146.95 | 3774.60 | 4618.26 |
| TC1_GL456211_random000000030 .mm.1 | | 734.23 | 760.02 | 578.20 | 1296.13 | 1167.34 | 1008.98 |
| TC0100003550.mm.1 | Slamf7 | 161.26 | 190.78 | 156.42 | 252.42 | 224.11 | 273.43 |
| TC1600001343.mm.1 | Abcc5 | 120.01 | 118.58 | 110.67 | 158.76 | 139.10 | 168.78 |
| TC1100003506.mm.1 | Scpep1 | 4195.04 | 4079.84 | 3660.21 | 5614.48 | 4933.40 | 5994.35 |
| TC1300001016.mm.1 | Gm21726 | 16.15 | 14.12 | 13.84 | 20.25 | 18.34 | 21.59 |
| TC0400003323.mm.1 | Tex38 | 14.47 | 15.73 | 14.75 | 20.79 | 20.20 | 17.59 |

| | | | | | | | |
|-------------------|------------------|---------|---------|---------|----------|----------|----------|
| TC1700001938.mm.1 | D17H6S56E-5 | 1107.13 | 1112.32 | 941.28 | 1518.33 | 1359.72 | 1650.38 |
| TC1000001286.mm.1 | Osbpl8 | 2844.59 | 3217.73 | 2721.15 | 4719.78 | 3943.13 | 5325.95 |
| TC0700004309.mm.1 | Maz | 232.91 | 212.42 | 184.73 | 321.01 | 277.09 | 314.47 |
| TC1700000362.mm.1 | Cln7 | 469.90 | 427.16 | 388.73 | 646.20 | 559.77 | 703.13 |
| TC1500001657.mm.1 | Ndrgr1 | 111.39 | 97.70 | 98.19 | 157.35 | 127.96 | 148.66 |
| TC0X00002556.mm.1 | Gk | 143.34 | 156.56 | 153.38 | 217.88 | 188.37 | 242.15 |
| TC0800002599.mm.1 | Asna1 | 5114.81 | 4565.05 | 3714.54 | 7462.91 | 6515.80 | 7773.71 |
| TC0500002755.mm.1 | Cxcl9 | 163.07 | 162.05 | 168.54 | 400.11 | 250.98 | 420.15 |
| TC0100000711.mm.1 | Agfg1 | 7653.82 | 7987.24 | 7081.02 | 9381.60 | 9891.44 | 11254.73 |
| TC1700001322.mm.1 | Ppp1r21 | 246.86 | 259.70 | 214.25 | 330.78 | 302.65 | 329.04 |
| TC0800000759.mm.1 | Lsm4 | 2839.42 | 2778.65 | 2184.81 | 3902.26 | 4378.46 | 3737.12 |
| TC0500002234.mm.1 | Gm5553 | 397.50 | 359.08 | 381.26 | 730.87 | 531.93 | 806.24 |
| TC1400002464.mm.1 | Dnajc15 | 1707.59 | 1595.38 | 1920.79 | 2651.17 | 2780.96 | 3772.19 |
| TC0800001259.mm.1 | Sntb2 | 372.33 | 372.79 | 359.43 | 502.68 | 440.10 | 549.62 |
| TC0X00001795.mm.1 | Was | 418.58 | 405.14 | 396.01 | 586.42 | 479.70 | 544.95 |
| TC0700000794.mm.1 | Klk1b4 | 16.98 | 17.67 | 15.47 | 26.42 | 22.74 | 21.30 |
| TC0100002349.mm.1 | Pgap1 | 272.17 | 279.89 | 248.01 | 400.50 | 339.57 | 443.43 |
| TC0600001205.mm.1 | Arl8b | 9328.85 | 8483.97 | 8255.49 | 13194.18 | 10802.21 | 13540.94 |
| TC1300001640.mm.1 | Hist1h4c | 241.67 | 203.24 | 199.61 | 328.42 | 278.59 | 303.10 |
| TC0700004320.mm.1 | Dctpp1 | 1162.74 | 936.45 | 1085.51 | 1625.08 | 1492.56 | 1971.01 |
| TC1300001069.mm.1 | Wdr41 | 603.73 | 552.71 | 529.34 | 773.71 | 692.20 | 850.46 |
| TC0100003670.mm.1 | Mixl1 | 13.97 | 16.03 | 12.28 | 22.58 | 28.18 | 20.89 |
| TC0100001244.mm.1 | Ptpn7 | 256.92 | 257.48 | 221.73 | 417.41 | 363.09 | 547.06 |
| TC0500000992.mm.1 | Cds1 | 41.92 | 37.31 | 42.62 | 54.39 | 48.55 | 55.74 |
| TC0500001401.mm.1 | P2rx4 | 4099.81 | 4151.42 | 3576.01 | 5781.46 | 4908.12 | 5965.65 |
| TC0800002925.mm.1 | Il34 | 17.62 | 17.36 | 18.62 | 23.72 | 20.48 | 23.61 |
| TC1800000610.mm.1 | Iigp1 | 34.19 | 34.87 | 34.92 | 58.14 | 47.54 | 71.30 |
| TC1700002224.mm.1 | A530064D06Rik | 61.65 | 52.82 | 44.13 | 125.69 | 82.80 | 109.76 |
| TC0800001320.mm.1 | Mtss1l | 92.40 | 92.36 | 80.86 | 155.30 | 115.58 | 148.39 |
| TC0700001178.mm.1 | Tm6sf1 | 927.53 | 914.63 | 877.07 | 1177.74 | 1032.31 | 1207.77 |
| TC0500000848.mm.1 | Cxcl1 | 32.14 | 24.68 | 29.02 | 40.64 | 39.66 | 39.59 |
| TC0900001377.mm.1 | Ifrd2 | 144.30 | 131.06 | 128.44 | 171.48 | 155.90 | 172.48 |
| TC0600001637.mm.1 | Dera | 144.26 | 126.91 | 125.30 | 169.16 | 157.26 | 168.55 |
| TC1600001785.mm.1 | Olfr181 | 11.24 | 11.18 | 13.47 | 18.19 | 16.04 | 15.77 |
| TC0600002480.mm.1 | Atoh8 | 32.60 | 34.36 | 38.71 | 45.92 | 43.75 | 49.90 |
| TC0700002927.mm.1 | Gm21028 | 20.66 | 18.72 | 23.44 | 34.89 | 27.69 | 32.40 |
| TC1000002517.mm.1 | Lsm7 | 335.64 | 302.62 | 300.02 | 384.89 | 420.71 | 474.39 |
| TC1800000728.mm.1 | Mc5r | 11.24 | 11.65 | 14.11 | 16.33 | 19.79 | 18.95 |
| TC0600000470.mm.1 | Olfr449 | 15.66 | 16.21 | 20.43 | 24.55 | 27.09 | 24.97 |
| TC0100003593.mm.1 | Al607873 | 3302.91 | 3533.91 | 3246.60 | 5131.80 | 4070.88 | 4986.09 |
| TC1200001245.mm.1 | Klc1 | 425.59 | 454.50 | 418.26 | 549.96 | 492.93 | 565.53 |
| TC1100004265.mm.1 | Igtp | 665.55 | 547.72 | 547.44 | 873.34 | 806.60 | 1042.02 |
| TC0300003246.mm.1 | Gstm3 | 67.65 | 65.14 | 56.38 | 97.49 | 109.59 | 83.05 |
| TC1700001618.mm.1 | Amdhd2 | 116.34 | 117.14 | 112.66 | 165.04 | 139.54 | 180.66 |
| TC1000001190.mm.1 | Lum | 132.14 | 130.73 | 125.30 | 191.97 | 173.01 | 153.78 |
| TC0200005013.mm.1 | Samhd1 | 1419.91 | 1318.54 | 1353.36 | 1950.72 | 1628.60 | 2042.66 |
| TC0600001810.mm.1 | Pdk4 | 2212.99 | 2240.13 | 2072.75 | 2908.19 | 2649.38 | 3329.90 |
| TC0200002308.mm.1 | Hck | 399.16 | 364.79 | 309.94 | 576.11 | 477.34 | 575.16 |
| TC0700004002.mm.1 | Gvin1; Gm4070 | 158.54 | 147.93 | 120.27 | 257.04 | 228.72 | 353.49 |
| TC0300002920.mm.1 | 5730508B09Rik | 497.10 | 529.45 | 447.30 | 819.60 | 631.86 | 725.55 |
| TC0500002623.mm.1 | Kdr | 62.35 | 61.79 | 61.07 | 82.89 | 74.77 | 95.73 |
| TC0200002698.mm.1 | Npepl1 | 238.37 | 206.12 | 187.01 | 288.37 | 280.32 | 318.33 |
| TC0700000522.mm.1 | Rasgrp4 | 33.79 | 32.75 | 30.46 | 45.17 | 37.86 | 43.58 |
| TC1300000385.mm.1 | Bphl | 37.32 | 35.31 | 34.57 | 48.87 | 41.68 | 50.62 |
| TC1700001395.mm.1 | Tagap1 | 818.60 | 814.02 | 772.18 | 960.90 | 1228.44 | 1172.10 |
| TC0900000854.mm.1 | 2810417H13Rik | 496.64 | 494.73 | 505.87 | 725.40 | 665.63 | 582.68 |
| TC1700000706.mm.1 | Nrm | 149.59 | 148.28 | 132.64 | 218.90 | 175.04 | 202.45 |
| TC1100001849.mm.1 | Kcnj2 | 30.63 | 26.51 | 25.94 | 47.65 | 35.89 | 46.11 |
| TC0700002049.mm.1 | Taldo1 | 293.76 | 272.20 | 267.80 | 391.46 | 326.73 | 391.55 |
| TC0400000869.mm.1 | Dennd4c | 763.78 | 839.54 | 717.17 | 1116.28 | 946.38 | 1154.08 |
| TC0200001256.mm.1 | Olfr1026 | 9.81 | 10.09 | 10.18 | 11.73 | 14.53 | 13.14 |
| TC0400002796.mm.1 | Ambp | 78.15 | 68.49 | 63.17 | 88.81 | 91.85 | 92.07 |
| TC1400001086.mm.1 | Epsti1 | 167.71 | 162.30 | 153.05 | 218.46 | 192.71 | 241.53 |
| TC1100003159.mm.1 | Ctns | 515.14 | 500.32 | 445.72 | 705.02 | 587.92 | 684.42 |
| TC1900000184.mm.1 | Rab3il1 | 379.40 | 357.84 | 340.96 | 478.26 | 430.20 | 530.39 |
| TC1800000358.mm.1 | Pcdhb4 | 9.89 | 10.38 | 10.84 | 14.84 | 15.86 | 12.46 |
| TC1400001676.mm.1 | Sh3bp5 | 59.71 | 64.75 | 62.60 | 108.05 | 78.77 | 93.43 |
| TC1000000158.mm.1 | Mtfr2 | 113.68 | 135.87 | 107.83 | 163.31 | 158.29 | 183.26 |
| TC1100002504.mm.1 | Spdl1 | 63.96 | 61.95 | 70.14 | 87.60 | 77.42 | 92.70 |

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|-------------------------|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| TC1400002186.mm.1 | Ebpl | 70.04 | 73.31 | 79.71 | 86.28 | 97.41 | 96.73 |
| TC0700003593.mm.1 | Fes | 426.53 | 385.84 | 343.58 | 510.11 | 487.43 | 509.78 |
| TC1900001026.mm.1 | Fkbp2 | 806.63 | 661.50 | 659.87 | 1332.95 | 967.54 | 1141.88 |
| TC0800001179.mm.1 | Cklf; A730028G07R ik | 272.98 | 290.54 | 249.81 | 397.01 | 328.03 | 389.70 |
| TC1400000912.mm.1 | Sox7 | 16.08 | 14.26 | 16.28 | 20.25 | 21.64 | 26.41 |
| TC0800000015.mm.1 | Pet100 | 114.88 | 114.98 | 134.56 | 154.98 | 200.32 | 198.64 |
| TC0600002418.mm.1 | Vmn1r38 | 13.60 | 12.10 | 11.91 | 14.84 | 16.83 | 15.69 |
| TC0600002853.mm.1 | Rybp | 953.71 | 941.28 | 896.20 | 1434.61 | 1201.54 | 1714.56 |
| TC0300002504.mm.1 | Hist2h4 | 1598.45 | 1530.82 | 1506.43 | 1984.13 | 1804.49 | 2211.18 |
| TC0700002096.mm.1 | Slc22a18 | 37.13 | 37.10 | 43.28 | 51.33 | 54.05 | 47.47 |
| TC0400003681.mm.1 | Themis2 | 2285.84 | 2097.28 | 2053.14 | 3439.53 | 2668.22 | 3550.35 |
| TC0900000333.mm.1 | Rpusd4 | 39.06 | 38.34 | 37.96 | 54.44 | 47.16 | 63.08 |
| TC1500001702.mm.1 | Gm3244 | 6023.64 | 5658.60 | 6380.96 | 8190.81 | 6992.31 | 7894.98 |
| TC0900001376.mm.1 | Hyal1; Nat6; Hyal3 | 106.95 | 102.96 | 95.72 | 134.15 | 116.77 | 131.09 |
| TSUnmapped00000050.mm.1 | F630003A18R ik | 227.12 | 214.90 | 182.10 | 430.07 | 288.79 | 385.19 |
| TC0100003026.mm.1 | Mcm6 | 406.38 | 376.02 | 346.23 | 586.65 | 463.56 | 553.25 |
| TC1100001241.mm.1 | Slnf4 | 96.68 | 81.90 | 80.43 | 129.03 | 115.78 | 156.11 |
| TC0600001088.mm.1 | Lsm3 | 70.65 | 56.17 | 64.94 | 98.73 | 82.04 | 91.39 |
| TC0800002553.mm.1 | Tecr | 42813.82 | 42525.89 | 38094.54 | 57333.84 | 48271.14 | 55794.92 |
| TC1000002036.mm.1 | Slc16a10 | 486.64 | 547.66 | 411.75 | 739.15 | 657.78 | 829.78 |
| TC1100003314.mm.1 | Lgals9 | 27744.36 | 30558.02 | 24477.75 | 35255.05 | 35712.43 | 36435.64 |
| TC1100002755.mm.1 | Pdlim4 | 188.34 | 176.71 | 184.37 | 257.72 | 211.50 | 255.44 |
| TC0100001957.mm.1 | Cpa6 | 28.52 | 28.51 | 24.94 | 33.23 | 37.35 | 41.04 |
| TC1500002031.mm.1 | Alg12 | 94.20 | 83.36 | 82.68 | 109.26 | 100.50 | 108.45 |
| TC0400001129.mm.1 | Ndc1 | 366.48 | 349.14 | 339.89 | 490.91 | 404.98 | 481.33 |
| TC1100000712.mm.1 | Hist3h2ba | 108.55 | 92.59 | 102.41 | 147.24 | 123.57 | 131.16 |
| TC1100002030.mm.1 | Slc25a10 | 134.82 | 130.88 | 117.95 | 170.12 | 157.85 | 197.38 |
| TC1000000482.mm.1 | Gm5423 | 1583.97 | 1258.96 | 1110.21 | 2791.36 | 1937.33 | 2607.78 |
| TC1100002106.mm.1 | Mtfp1 | 16.90 | 16.13 | 19.49 | 21.34 | 23.26 | 22.78 |
| TC0700000561.mm.1 | Tyrobp | 241652.10 | 207825.40 | 217424.60 | 284574.00 | 259598.40 | 285502.20 |
| TC0700004607.mm.1 | Fadd | 48.29 | 47.27 | 53.07 | 73.17 | 69.62 | 58.83 |
| TC1300002751.mm.1 | Tcstv1 | 11.92 | 11.31 | 14.23 | 16.57 | 16.67 | 16.20 |
| TC1200000819.mm.1 | Isca2 | 402.46 | 364.16 | 396.24 | 557.82 | 455.11 | 551.77 |
| TC0200003865.mm.1 | Calcr1 | 145.23 | 137.86 | 115.27 | 183.78 | 174.57 | 210.07 |
| TC0700003946.mm.1 | Trim30d | 176.91 | 164.58 | 151.96 | 233.89 | 208.09 | 275.31 |
| TC0600002555.mm.1 | Htra2 | 607.59 | 597.86 | 509.09 | 810.51 | 713.35 | 888.57 |
| TC1300000019.mm.1 | Akr1c13 | 42.72 | 38.55 | 38.90 | 57.51 | 47.07 | 57.17 |
| TC0600000772.mm.1 | Mad211 | 456.38 | 414.43 | 369.73 | 605.94 | 520.80 | 654.54 |
| TC1100004122.mm.1 | Rhbdf2 | 241.77 | 211.78 | 218.39 | 303.10 | 261.35 | 306.14 |
| TC0300001076.mm.1 | Slc16a1 | 158.34 | 138.93 | 146.14 | 216.72 | 181.51 | 240.53 |
| TC1100000049.mm.1 | Zmat5 | 441.96 | 419.72 | 343.86 | 554.83 | 524.65 | 567.23 |
| TC0600003532.mm.1 | Arpc4 | 197.69 | 168.70 | 168.59 | 226.73 | 217.12 | 246.81 |
| TC1000002392.mm.1 | Mmp11 | 62.12 | 48.61 | 48.82 | 81.16 | 69.57 | 82.13 |
| TC1700002368.mm.1 | Efna5 | 73.32 | 63.43 | 66.03 | 89.76 | 79.14 | 92.62 |
| TC1100000892.mm.1 | Aurkb | 203.52 | 189.46 | 167.33 | 269.97 | 227.62 | 260.71 |
| TC0200001874.mm.1 | Slc24a5 | 97.73 | 90.59 | 92.92 | 138.29 | 110.55 | 142.25 |
| TC1300002541.mm.1 | Mrps36 | 206.82 | 192.39 | 193.31 | 291.53 | 233.42 | 253.64 |
| TC1700000879.mm.1 | Mrps18a | 119.76 | 117.07 | 113.25 | 184.53 | 140.48 | 157.28 |
| TC0400002660.mm.1 | Vma21-ps | 386.35 | 331.77 | 329.37 | 468.93 | 516.53 | 659.37 |
| TC0700000787.mm.1 | Egfbp2; Klk1b26 | 14.72 | 13.76 | 15.66 | 18.84 | 21.25 | 17.49 |
| TC1100001386.mm.1 | Trim25 | 679.13 | 687.22 | 734.01 | 887.26 | 828.60 | 1027.14 |
| TC0900001345.mm.1 | Dusp7 | 1501.64 | 1497.55 | 1262.75 | 2125.86 | 1763.98 | 2256.00 |
| TC0900000141.mm.1 | Olfr832 | 9.10 | 7.85 | 7.78 | 10.22 | 9.87 | 10.91 |
| TC1900000996.mm.1 | Gm19505 | 81.89 | 72.36 | 71.18 | 95.06 | 114.95 | 94.82 |
| TC0200000593.mm.1 | Pthr1 | 96.28 | 96.76 | 81.24 | 132.03 | 111.82 | 137.44 |
| TC1300001902.mm.1 | Dtnbp1 | 456.81 | 417.19 | 388.02 | 569.42 | 514.58 | 648.37 |
| TC1700001027.mm.1 | Tnfsf9 | 116.79 | 106.60 | 84.96 | 212.04 | 158.79 | 281.86 |
| TC0400001543.mm.1 | Fabp3 | 235.33 | 216.43 | 203.44 | 286.28 | 269.09 | 338.40 |
| TC0400002576.mm.1 | Exosc3 | 166.59 | 186.42 | 159.95 | 231.41 | 201.68 | 242.42 |
| TC1800000708.mm.1 | Psmg2 | 2192.53 | 2359.76 | 1991.34 | 2955.10 | 2563.00 | 2892.37 |
| TC0500001932.mm.1 | Rundc3b | 15.25 | 15.73 | 16.32 | 21.00 | 20.90 | 17.67 |
| TC1300002304.mm.1 | Nkd2 | 161.52 | 155.24 | 138.48 | 224.66 | 187.30 | 252.30 |
| TC1900001342.mm.1 | Plgrkt | 161.27 | 151.04 | 148.97 | 195.32 | 170.45 | 194.66 |
| TC0300000159.mm.1 | Nceh1 | 411.52 | 449.66 | 394.61 | 580.38 | 496.75 | 633.10 |
| TC1000002497.mm.1 | Adamts15 | 64.18 | 60.03 | 54.72 | 79.01 | 69.24 | 78.45 |
| TC1900001340.mm.1 | Insl6 | 46.92 | 43.22 | 43.24 | 72.12 | 55.38 | 81.01 |
| TC1400001174.mm.1 | Uchl3 | 1822.67 | 1582.20 | 1412.16 | 2553.17 | 2044.10 | 2365.03 |
| TC1700001213.mm.1 | Morn2 | 170.50 | 139.58 | 146.40 | 277.40 | 200.95 | 222.23 |
| TC0200004019.mm.1 | Olfr1180 | 11.29 | 13.08 | 13.65 | 17.16 | 19.63 | 15.73 |

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|-------------------|---|----------|----------|----------|----------|----------|----------|
| TC0400001773.mm.1 | Atp13a2 | 400.60 | 374.28 | 336.18 | 504.43 | 441.64 | 537.61 |
| TC0500002434.mm.1 | Gm8069 | 868.10 | 698.55 | 733.46 | 1286.08 | 988.31 | 1402.99 |
| TC0700002167.mm.1 | Hspbp1 | 270.69 | 242.90 | 203.81 | 331.72 | 318.89 | 321.02 |
| TC0200001002.mm.1 | Nostrin | 97.03 | 92.31 | 88.09 | 132.87 | 106.38 | 130.51 |
| TC0X00000131.mm.1 | Mid1ip1 | 133.84 | 123.36 | 107.17 | 197.72 | 151.66 | 194.72 |
| TC1600001277.mm.1 | 2610318N02R ik | 133.82 | 123.75 | 84.03 | 197.00 | 179.70 | 220.82 |
| TC0700000424.mm.1 | Tgfb1 | 14988.84 | 14031.58 | 13180.17 | 20888.38 | 16588.60 | 21284.95 |
| TC0X00003361.mm.1 | Prps2 | 403.25 | 392.23 | 354.70 | 548.44 | 446.19 | 545.10 |
| TC1000000097.mm.1 | Adat2 | 542.95 | 487.67 | 429.36 | 651.09 | 607.79 | 628.17 |
| TC0200005271.mm.1 | Aurka | 285.40 | 245.16 | 251.19 | 331.19 | 311.00 | 372.12 |
| TC0100003210.mm.1 | Rgs18 | 503.24 | 612.67 | 518.00 | 704.16 | 713.34 | 866.11 |
| TC0200004737.mm.1 | Kif16b | 136.31 | 131.25 | 129.48 | 186.37 | 151.10 | 192.41 |
| TC0400003894.mm.1 | Efhd2 | 2059.23 | 2181.59 | 1763.33 | 2476.94 | 2782.09 | 3088.65 |
| TC0500003729.mm.1 | Gbp8 | 31.85 | 26.23 | 26.06 | 35.09 | 36.06 | 35.62 |
| TC1300001378.mm.1 | Akr1c12 | 16.89 | 17.06 | 15.26 | 22.63 | 19.50 | 25.56 |
| TC0900001038.mm.1 | Gclc | 921.46 | 866.96 | 783.08 | 1174.55 | 1019.77 | 1285.22 |
| TC1500001568.mm.1 | Atad2 | 315.01 | 340.89 | 307.58 | 438.28 | 363.46 | 415.13 |
| TC1800001118.mm.1 | Sft2d3 | 68.68 | 70.74 | 66.56 | 77.88 | 98.02 | 95.54 |
| TC0800002658.mm.1 | Snx20 | 48.98 | 36.82 | 39.62 | 69.03 | 53.99 | 66.14 |
| TC1900000090.mm.1 | Slc25a45 | 112.44 | 117.96 | 98.25 | 148.01 | 132.31 | 164.75 |
| TC0600000854.mm.1 | Retsat | 158.57 | 137.55 | 119.93 | 198.14 | 181.78 | 231.00 |
| TC0500001152.mm.1 | Chek2 | 134.33 | 110.68 | 116.77 | 170.25 | 144.29 | 159.47 |
| TC1300001564.mm.1 | Hist1h4n; Hist1h4m | 113.37 | 102.08 | 115.28 | 173.86 | 131.77 | 151.57 |
| TC0700000228.mm.1 | Tmem160 | 7195.62 | 5874.12 | 6365.32 | 7849.92 | 8850.17 | 9705.73 |
| TC1300000205.mm.1 | Vmn1r200 | 12.75 | 16.03 | 13.96 | 17.42 | 18.67 | 19.15 |
| TC0300000910.mm.1 | Mcl1 | 1469.27 | 1642.05 | 1426.75 | 1949.23 | 1720.81 | 1908.55 |
| TC0900001828.mm.1 | Olfr867 | 11.56 | 9.05 | 10.40 | 12.73 | 14.10 | 14.28 |
| TC1300000181.mm.1 | Hist1h2ao; Hist1h2ap; Hist1h2ai; Hist1h2ah | 984.34 | 766.35 | 813.59 | 1384.68 | 1111.40 | 1174.60 |
| TC0300002352.mm.1 | Cks1b | 1272.39 | 1254.67 | 1230.59 | 1655.85 | 1379.04 | 1629.81 |
| TC0300000787.mm.1 | Dennd4b | 203.03 | 182.74 | 164.80 | 259.81 | 221.42 | 274.64 |
| TC1300000969.mm.1 | Cetn3 | 254.72 | 199.57 | 218.67 | 299.78 | 279.37 | 324.36 |
| TC0800002338.mm.1 | Gm9755 | 411.73 | 395.41 | 379.97 | 510.41 | 468.34 | 606.23 |
| TC0600000340.mm.1 | Tmem140 | 101.24 | 112.85 | 93.69 | 141.51 | 123.64 | 157.30 |
| TC1400000440.mm.1 | Gm8126 | 10.76 | 10.47 | 11.81 | 14.21 | 16.40 | 13.00 |
| TC1500000742.mm.1 | Sreb2 | 2164.41 | 1997.14 | 1855.09 | 2767.36 | 2323.28 | 2830.12 |
| TC0900002593.mm.1 | Ccnb2 | 782.05 | 704.91 | 653.95 | 955.18 | 830.67 | 932.85 |
| TC1900001004.mm.1 | Arl2 | 1246.43 | 1391.81 | 1090.76 | 1734.71 | 1525.58 | 1679.64 |
| TC0200001843.mm.1 | Sord | 159.73 | 130.44 | 116.45 | 299.66 | 186.23 | 287.16 |
| TC0500000816.mm.1 | Dck | 193.81 | 200.30 | 180.46 | 294.59 | 222.81 | 275.45 |
| TC0200003132.mm.1 | Tor4a | 209.13 | 206.86 | 177.56 | 298.13 | 234.93 | 292.41 |
| TC0600001443.mm.1 | Lpar5 | 183.12 | 163.57 | 210.73 | 303.04 | 332.11 | 236.09 |
| TC1200002269.mm.1 | Ifi27l2a | 388.77 | 370.69 | 355.03 | 494.39 | 465.27 | 637.89 |
| TC1700002490.mm.1 | Emilin2 | 279.76 | 294.30 | 282.87 | 364.22 | 329.57 | 423.09 |
| TC1800000444.mm.1 | Gm3650 | 252.72 | 218.85 | 227.91 | 366.28 | 294.48 | 446.85 |
| TC0400001890.mm.1 | Gm13248 | 466.19 | 473.89 | 417.59 | 635.01 | 569.20 | 804.01 |
| TC0700001589.mm.1 | Olfr477 | 8.10 | 8.99 | 9.37 | 10.74 | 15.47 | 14.15 |
| TC1000001936.mm.1 | Rspo3 | 67.97 | 59.95 | 56.17 | 83.81 | 73.02 | 90.96 |
| TC0X00000521.mm.1 | Gm10477 | 9.35 | 9.61 | 9.72 | 12.23 | 17.10 | 12.70 |
| TC0900002064.mm.1 | Olfr919 | 17.36 | 16.38 | 15.76 | 22.44 | 18.44 | 21.71 |
| TC0500000171.mm.1 | Fgl2 | 19.73 | 23.51 | 20.94 | 28.52 | 29.08 | 39.43 |
| TC1200000647.mm.1 | Prkch | 270.40 | 259.84 | 244.84 | 346.04 | 294.49 | 375.77 |
| TC0700004630.mm.1 | Hsd3b7 | 57.43 | 54.59 | 46.57 | 70.17 | 62.91 | 70.54 |
| TC1600001722.mm.1 | Alcam | 1408.42 | 1453.03 | 1291.09 | 1862.77 | 1587.59 | 2018.48 |
| TC1300001453.mm.1 | Prl2c2 | 18.09 | 15.43 | 17.30 | 36.87 | 22.22 | 38.22 |
| TC1000001270.mm.1 | Pawr | 175.08 | 161.16 | 169.89 | 278.55 | 198.18 | 259.74 |
| TC1400001182.mm.1 | Irg1 | 158.65 | 143.27 | 133.92 | 204.42 | 174.09 | 232.81 |
| TC1700002095.mm.1 | Gm21903 | 13.12 | 16.61 | 15.00 | 19.93 | 20.45 | 26.94 |
| TC1100001236.mm.1 | Slfn5 | 177.81 | 170.36 | 152.10 | 254.74 | 200.02 | 279.64 |
| TC0700002648.mm.1 | LOC10105595 3 | 901.12 | 894.48 | 888.30 | 1379.11 | 1029.82 | 1196.89 |
| TC0200004649.mm.1 | 1700037H04R ik | 309.99 | 325.43 | 278.84 | 397.32 | 358.92 | 452.63 |
| TC1000003018.mm.1 | Helb | 99.06 | 96.74 | 90.92 | 124.10 | 105.42 | 125.76 |
| TC1900000008.mm.1 | Cpt1a | 1114.17 | 1066.51 | 965.69 | 1368.21 | 1189.73 | 1422.20 |
| TC0800001244.mm.1 | Pla2g15 | 2024.92 | 1752.74 | 1708.73 | 2256.48 | 2125.61 | 2373.97 |
| TC0500003243.mm.1 | Hcar2 | 76.92 | 68.49 | 71.55 | 119.38 | 97.01 | 87.51 |
| TC1600001419.mm.1 | Cldn1 | 10.95 | 12.01 | 13.29 | 14.44 | 15.85 | 17.92 |
| TC0X00000181.mm.1 | Maoa | 101.60 | 100.66 | 87.36 | 139.27 | 113.79 | 151.14 |
| TC1900001118.mm.1 | Ccdc86 | 191.46 | 170.94 | 172.66 | 236.10 | 199.31 | 235.36 |

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|----------------------------------|---------------------|----------|----------|----------|-----------|----------|-----------|
| TC0X00001799.mm.1 | Ebp | 110.93 | 95.61 | 96.22 | 133.56 | 115.05 | 132.81 |
| TC1_GL456221_random00000002.mm.1 | | 1047.81 | 836.54 | 1139.58 | 1323.07 | 1540.81 | 1380.22 |
| TC1000002943.mm.1 | Slc35e3 | 472.56 | 549.89 | 433.36 | 733.26 | 585.32 | 717.19 |
| TC0100003599.mm.1 | lfi202b; lfi205 | 463.00 | 473.66 | 407.52 | 792.65 | 552.14 | 850.60 |
| TC0400002694.mm.1 | Klf4 | 93.08 | 78.10 | 70.75 | 104.69 | 102.61 | 114.07 |
| TC0200004902.mm.1 | Defb26 | 13.02 | 11.08 | 11.33 | 14.95 | 13.58 | 15.84 |
| TC1100001629.mm.1 | Nkiras2; Gm19456 | 107.38 | 99.17 | 87.37 | 143.59 | 115.52 | 137.76 |
| TC0400004127.mm.1 | Fam213b | 79.51 | 74.53 | 81.97 | 105.50 | 89.95 | 117.93 |
| TC1900000401.mm.1 | Gm3873 | 83242.34 | 75992.21 | 87514.50 | 114944.60 | 93337.55 | 108834.70 |
| TC1400000255.mm.1 | Gm2274 | 1880.75 | 1759.09 | 1511.12 | 2109.60 | 2229.21 | 2604.59 |
| TC0600002405.mm.1 | Gm7144 | 9.27 | 7.81 | 6.58 | 11.67 | 10.27 | 11.43 |
| TC0400001107.mm.1 | Dhcr24 | 2730.73 | 2553.54 | 2164.37 | 3294.85 | 3106.98 | 3935.81 |
| TC0300002114.mm.1 | Rarres1 | 63.40 | 54.05 | 51.70 | 69.06 | 75.77 | 89.62 |
| TC0500003240.mm.1 | Zcchc8 | 1069.23 | 1146.48 | 1076.79 | 1562.14 | 1232.57 | 1590.14 |
| TC1400000524.mm.1 | Peli2 | 100.53 | 88.50 | 86.40 | 150.75 | 108.41 | 138.72 |
| TC0400000743.mm.1 | Tlr4 | 406.52 | 386.22 | 348.22 | 542.80 | 435.44 | 544.50 |
| TC0500001288.mm.1 | Taok3 | 170.57 | 176.03 | 158.43 | 229.84 | 187.13 | 225.24 |
| TC0200001261.mm.1 | Olfr1030 | 12.12 | 12.40 | 14.31 | 19.73 | 15.09 | 18.98 |
| TC0500002480.mm.1 | Tlr1 | 221.39 | 227.79 | 187.97 | 349.57 | 270.88 | 436.58 |
| TC1000003204.mm.1 | Olfr825 | 9.60 | 10.92 | 12.31 | 16.26 | 15.10 | 13.20 |
| TC1300000209.mm.1 | Vmn1r201 | 18.55 | 16.17 | 18.42 | 21.55 | 26.85 | 32.24 |
| TC1300000709.mm.1 | ldnk | 1922.70 | 1678.32 | 1571.27 | 2003.90 | 2238.60 | 2214.47 |
| TC0200002588.mm.1 | Rnf114 | 474.68 | 439.46 | 430.98 | 574.15 | 492.51 | 591.29 |
| TC1400000252.mm.1 | Gm2260 | 1687.72 | 1571.44 | 1353.55 | 1882.01 | 2003.26 | 2367.66 |
| TC1000001886.mm.1 | Taar9 | 10.17 | 8.74 | 8.86 | 11.60 | 11.09 | 13.97 |
| TC1900001196.mm.1 | Tle4 | 377.58 | 396.35 | 348.26 | 519.43 | 423.82 | 549.14 |
| TSUnmapped00000030.mm.1 | H60a | 114.09 | 134.70 | 109.74 | 142.41 | 149.30 | 147.07 |
| TC0500002708.mm.1 | Gm11116 | 11.69 | 19.24 | 15.74 | 27.69 | 23.85 | 39.63 |
| TC0600002369.mm.1 | Vmn1r27 | 8.98 | 9.37 | 10.48 | 12.83 | 12.89 | 10.82 |
| TSUnmapped00000055.mm.1 | Mrgpra7 | 15.62 | 19.80 | 16.27 | 20.56 | 23.98 | 24.15 |
| TC0600002362.mm.1 | Vmn1r25 | 19.49 | 20.88 | 19.69 | 30.01 | 35.41 | 23.62 |
| TC0100001167.mm.1 | Il10 | 17.52 | 16.48 | 17.64 | 19.12 | 24.64 | 24.19 |
| TC1100001892.mm.1 | lct1 | 180.16 | 162.26 | 155.26 | 217.34 | 185.75 | 222.33 |
| TC0200001412.mm.1 | 1700029i15Ri k | 24.16 | 22.93 | 23.27 | 34.18 | 26.14 | 34.22 |
| TC0900002060.mm.1 | Olfr915 | 9.26 | 8.62 | 11.71 | 13.76 | 18.99 | 13.74 |
| TC1300000330.mm.1 | Mboat1 | 106.77 | 89.42 | 84.89 | 148.77 | 111.90 | 149.57 |
| TC0700001594.mm.1 | Olfr494 | 18.09 | 16.90 | 15.05 | 19.17 | 24.19 | 24.27 |
| TC0400002271.mm.1 | Wwp1 | 4217.89 | 4752.31 | 3921.08 | 5596.52 | 5046.55 | 6377.63 |
| TC0X00000587.mm.1 | Ctag2 | 9.13 | 9.90 | 11.29 | 13.24 | 11.73 | 13.04 |
| TC0200003960.mm.1 | Olfr1097 | 6.60 | 7.50 | 8.03 | 16.00 | 10.42 | 10.31 |
| TC0100001317.mm.1 | Uchl5 | 507.59 | 490.35 | 420.87 | 987.86 | 598.73 | 1089.81 |
| TC0900001337.mm.1 | Twf2 | 305.83 | 249.61 | 228.52 | 336.75 | 333.63 | 354.97 |
| TC1200000675.mm.1 | Mthfd1 | 224.24 | 218.26 | 207.82 | 293.79 | 238.15 | 302.11 |
| TC1300001561.mm.1 | Hist1h3i | 35.93 | 29.76 | 26.49 | 43.04 | 41.13 | 38.59 |
| TC1300002462.mm.1 | F2r | 243.81 | 297.69 | 208.63 | 332.94 | 346.57 | 343.97 |
| TC0600003271.mm.1 | Tas2r130 | 9.99 | 9.09 | 11.39 | 14.77 | 11.84 | 14.43 |
| TC0600002348.mm.1 | Vmn1r18 | 15.12 | 11.05 | 15.04 | 23.36 | 17.45 | 24.78 |
| TC0500001459.mm.1 | Gm19631 | 159.39 | 146.79 | 162.02 | 223.96 | 173.40 | 219.12 |
| TC1000003117.mm.1 | Shmt2 | 512.49 | 461.70 | 378.65 | 630.83 | 554.67 | 645.64 |
| TC1200001988.mm.1 | Zfp361i | 1979.16 | 1927.30 | 1699.12 | 3094.16 | 2219.95 | 2533.14 |
| TC0200004039.mm.1 | Olfr1219 | 11.34 | 11.45 | 13.07 | 19.31 | 22.38 | 14.22 |
| TC1500001733.mm.1 | Gm10238 | 59.99 | 53.90 | 49.65 | 76.92 | 77.99 | 61.96 |
| TC1300001557.mm.1 | Hist1h4k | 405.47 | 396.20 | 462.38 | 598.55 | 473.35 | 585.34 |
| TC0900003176.mm.1 | Cmtm7 | 962.69 | 811.99 | 791.67 | 1159.50 | 1000.36 | 1312.41 |
| TC0X00001715.mm.1 | Gm21887 | 420.50 | 382.91 | 332.30 | 542.80 | 455.62 | 643.19 |
| TC1400000623.mm.1 | Trav6d-3 | 16.21 | 15.27 | 17.73 | 18.10 | 21.25 | 21.28 |
| TC1800000794.mm.1 | Acaa2 | 447.46 | 371.77 | 350.02 | 474.32 | 499.95 | 582.11 |
| TC1300001669.mm.1 | Acot13 | 2896.96 | 2463.82 | 3208.67 | 4280.79 | 3400.54 | 3930.90 |
| TC1500002316.mm.1 | Gpr84 | 702.55 | 543.06 | 489.68 | 999.23 | 736.56 | 878.70 |
| TC0300002802.mm.1 | Vcam1 | 213.03 | 231.35 | 195.83 | 249.59 | 276.20 | 332.83 |
| TC1700000203.mm.1 | Lix1 | 21.62 | 23.66 | 18.85 | 27.92 | 27.51 | 38.06 |
| TC1900000266.mm.1 | Olfr1461 | 11.88 | 12.97 | 12.32 | 14.42 | 21.92 | 17.98 |
| TC0700000365.mm.1 | Vmn1r183 | 15.76 | 15.19 | 17.30 | 22.24 | 26.47 | 18.57 |
| TC0500001038.mm.1 | Lrrc8b | 436.25 | 341.27 | 341.31 | 572.99 | 444.83 | 604.42 |
| TC0800000941.mm.1 | Samd1 | 60.13 | 64.26 | 60.05 | 76.88 | 69.37 | 91.65 |
| TC0100001031.mm.1 | Serpinb8 | 93.98 | 81.47 | 76.14 | 110.81 | 98.66 | 129.69 |
| TC1700000772.mm.1 | Olfr107 | 11.27 | 9.08 | 9.84 | 14.03 | 15.13 | 11.59 |
| TC0700000791.mm.1 | Klk1b16 | 13.85 | 11.71 | 15.17 | 18.42 | 15.94 | 18.76 |
| TC1300000612.mm.1 | Syk | 167.92 | 171.97 | 160.41 | 223.90 | 180.60 | 230.70 |
| TC0700003907.mm.1 | Olfr67 | 12.55 | 11.02 | 13.53 | 14.20 | 18.01 | 19.24 |
| TC1100000168.mm.1 | Cnrip1 | 429.28 | 355.16 | 312.67 | 585.28 | 461.75 | 734.56 |

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|-------------------|--|---------|---------|---------|---------|---------|---------|
| TC1900000908.mm.1 | Rad9a | 216.96 | 188.17 | 172.43 | 286.84 | 223.81 | 259.09 |
| TC0100001370.mm.1 | Ncf2 | 511.02 | 491.13 | 454.72 | 660.43 | 534.35 | 695.24 |
| TC0200002496.mm.1 | Wisp2 | 3404.56 | 3078.43 | 2717.92 | 4242.63 | 3524.94 | 4516.52 |
| TC1200001971.mm.1 | Atp6v1d | 3542.39 | 3192.59 | 3128.69 | 4343.54 | 3613.25 | 4570.69 |
| TC0900000152.mm.1 | Olfr855 | 15.72 | 15.75 | 13.68 | 21.78 | 21.03 | 16.77 |
| TC0200000676.mm.1 | Olfr357 | 8.08 | 7.88 | 9.62 | 13.16 | 10.44 | 10.49 |
| TC0500003487.mm.1 | Adap1 | 65.41 | 62.18 | 61.53 | 82.23 | 68.22 | 88.15 |
| TC1600001641.mm.1 | Atp6v1a | 1495.68 | 1445.88 | 1333.01 | 1835.49 | 1544.52 | 1903.15 |
| TC0500001764.mm.1 | Arpc1b | 3582.83 | 3176.47 | 3112.20 | 4179.80 | 3693.20 | 4766.83 |
| TC0600002337.mm.1 | Lsm5 | 24.46 | 20.42 | 20.99 | 25.41 | 35.45 | 30.00 |
| TC0300002425.mm.1 | Tdpoz1 | 8.48 | 9.90 | 11.44 | 13.13 | 13.21 | 12.03 |
| TC0700003996.mm.1 | Gvin1; Gm4070; Gm17757; Gm18853 | 85.43 | 80.67 | 63.50 | 107.28 | 107.34 | 169.01 |
| TC1400000415.mm.1 | Gm2832 | 10.63 | 10.08 | 11.62 | 11.79 | 15.01 | 14.17 |
| TC0600003379.mm.1 | Abcc9 | 14.69 | 14.51 | 15.34 | 14.39 | 16.08 | 14.14 |
| TC0100001560.mm.1 | Rgs5 | 20.93 | 22.13 | 20.52 | 22.20 | 18.66 | 19.50 |