

Supplementary Table 1: Cyclin D1 Differentially-expressed Genes

| <u>Gene Symbol</u> | <u>D1 Fold Change</u> | <u>Gene Symbol</u> | <u>D1 Fold Change</u> |
|--------------------|-----------------------|--------------------|-----------------------|
| 0610005C13Rik | -4.21 | 2610002J02Rik | 16.02 |
| 0610010D20Rik | -3.90 | 2610029G23Rik | 3.59 |
| 0610031G08Rik | -9.00 | 2610034B18Rik | 3.22 |
| 0610033I05Rik | 10.24 | 2610036L11Rik | 8.87 |
| 0910001L09Rik | -3.73 | 2610039C10Rik | 12.09 |
| 1110001A16Rik | -3.05 | 2610101N10Rik | 3.44 |
| 1110001J03Rik | -3.35 | 2610208M17Rik | 9.28 |
| 1110005A03Rik | -3.07 | 2610305J24Rik /// | 54.05 |
| 1110014K08Rik /// | 3.35 | 2610305J24Rik /// | 7.56 |
| 1110018J18Rik | -3.46 | 2610510H03Rik | 3.57 |
| 1110034A24Rik | 4.03 | 2700007P21Rik | 3.88 |
| 1110038B12Rik | 3.53 | 2700029M09Rik | 4.05 |
| 1110067D22Rik | 4.73 | 2700038C09Rik | -3.01 |
| 1200006F02Rik | -8.46 | 2700094F01Rik | 4.48 |
| 1200013P24Rik | -3.59 | 2700094K13Rik | 3.10 |
| 1200016E24Rik | 7.06 | 2810007J24Rik | -24.31 |
| 1300010F03Rik | -3.56 | 2810022L02Rik | 6.67 |
| 1300013J15Rik | -6.28 | 2810026P18Rik | 3.46 |
| 1300018J18Rik | -4.03 | 2810405K02Rik | -7.10 |
| 1700007B13Rik | -3.17 | 2810408I11Rik | 3.22 |
| 1700017B05Rik /// | 5.67 | 2810417H13Rik | 27.54 |
| 1700029F09Rik | 3.47 | 2810433K01Rik | 4.17 |
| 1810013L24Rik | -3.01 | 2810439F02Rik | -13.81 |
| 1810015C04Rik | 3.13 | 2810452K22Rik /// | 4.21 |
| 1810023F06Rik | 36.03 | 2810474O19Rik | 12.02 |
| 1810049H13Rik | -3.12 | 2900019G14Rik | -3.15 |
| 1810073N04Rik | 3.10 | 2900092E17Rik | 3.93 |
| 2010003O02Rik | -4.58 | 3110003A17Rik | 6.38 |
| 2010109K11Rik | 4.17 | 3110043O21Rik | 4.46 |
| 2010111I01Rik | 4.72 | 3110048E14Rik | 6.55 |
| 2010305C02Rik | -3.93 | 3110049J23Rik | -5.49 |
| 2310005L22Rik | 3.69 | 3200002M19Rik | 3.61 |
| 2310007H09Rik | -4.35 | 3300001M20Rik | 3.03 |
| 2310009E04Rik | -4.95 | 3930401B19Rik /// | 4.00 |
| 2310016C08Rik | 6.71 | 4632419I22Rik | 4.85 |
| 2310057M21Rik | 3.26 | 4632419K20Rik | 4.63 |
| 2310076L09Rik | -4.51 | 4632434I11Rik | 16.77 |
| 2400003C14Rik | 3.33 | 4732466D17Rik | -3.42 |
| 2410006H16Rik | 3.57 | 4732495E13Rik | 3.00 |
| 2500001K11Rik | 6.08 | 4833427B12Rik | 9.39 |
| 2510012J08Rik | 4.24 | 4833442J19Rik | -3.04 |
| 2610002J02Rik | 16.02 | 4930570C03Rik | 3.82 |

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|-------------------|----------------|------------------|----------------|
| 4930579G24Rik | 13.85 | Acaa1b | -9.33 |
| 4933403F05Rik | -3.69 | Acaa2 | -3.01 |
| 4933405A16Rik | 3.68 | Acacb | -3.86 |
| 4933425L03Rik | 3.02 | Acads | -4.24 |
| 5033413D16Rik | 8.42 | Acadsb | -3.33 |
| 5033414D02Rik | 4.06 | Acbd3 | 3.07 |
| 5530402H23Rik | -3.74 | Acot1 | -5.02 |
| 5730593N15Rik | -3.48 | Acot1 /// Acot2 | -6.29 |
| 5830411G16Rik | -17.27 | Acot3 | -3.05 |
| 5830433M19Rik | 5.85 | Acot9 | 21.70 |
| 5830443L24Rik | 4.08 | Acot9 /// Acot10 | 20.78 |
| 5830457O10Rik | 3.94 | Acpl2 | 10.68 |
| 5930416I19Rik | 3.13 | Acs11 | -12.72 |
| 6030490B17Rik | -4.10 | Acsm3 | -8.75 |
| 6230416J20Rik | 4.85 | Acss2 | -5.41 |
| 6330503K22Rik | 12.73 | Actb | 3.04 |
| 8430408G22Rik | -5.35 | Ada | 5.45 |
| 8430410A17Rik | 3.12 | Adamdec1 | -3.62 |
| 9030618K22Rik | -10.66 | Adamts1 | 3.06 |
| 9130409I23Rik | -15.74 | Adcy6 | 3.14 |
| 9330120H11Rik | -4.46 | Add1 | 3.23 |
| 9530008L14Rik | -3.04 | Adhfe1 | -5.17 |
| 9530058B02Rik | -4.28 | Adora1 | 5.33 |
| 9630013D21Rik | -3.40 | Adprhl2 | 3.26 |
| 9830115L13Rik | 3.07 | Adrbk1 | 3.01 |
| A130040M12Rik | 4.69 | AF397014 | -3.69 |
| A230097K15Rik | 3.07 | Afm | -4.61 |
| A2m /// LOC677369 | 25.80 | Afmid | -11.66 |
| A830080D01Rik | 4.02 | Afp | 34.09 |
| AA536743 | 8.41 | Agpat3 | -4.14 |
| Aaas | 6.37 | Agxt | -4.46 |
| Aacs | -7.70 | Agxt211 | -26.20 |
| Aadat | -5.64 | AI317395 | -5.37 |
| Abat | -6.04 | AI451557 | 4.00 |
| Abca8a | -11.27 | AI461788 | 9.54 |
| Abcb4 | -4.16 | AI481105 | 3.08 |
| Abcg5 | -11.74 | AI506816 | 7.80 |
| Abcg8 | -4.22 | AI597468 | 3.20 |
| Abhd6 | -3.15 | AI852444 | 3.71 |
| Ablim3 | -3.50 | Ak311 | -4.56 |
| Acaa1a | -3.22 | Ak7 | 4.06 |
| Acaa1a /// Acaa1b | -4.17 | Akap2 | 3.77 |

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| Gene Symbol | D1 Fold Change | Gene Symbol | D1 Fold Change |
|----------------------|----------------|---------------|----------------|
| Akr1b3 | 10.82 | Arid5b | -3.22 |
| Akr1b3 /// LOC235852 | 3.19 | Arih1 | 3.04 |
| Akr1c14 | -5.60 | Arl6 | 3.16 |
| Akr1c19 | -14.49 | Arl6ip6 | 3.57 |
| Akr1c20 | -4.32 | Armxc3 | 4.32 |
| Akr1d1 | -12.00 | Arpc1b | 5.31 |
| Alas1 | -5.81 | Ars2 | 4.50 |
| Alas2 | -3.08 | Arsg | 4.83 |
| Alcam | 4.51 | Ascc3l1 | 3.27 |
| Aldh18a1 | 8.78 | Asf1a | 3.35 |
| Aldh2 | -3.49 | Asf1b | 7.73 |
| Aldh3a2 | -5.93 | Ash2l | 4.46 |
| Aldh4a1 | -8.42 | Asl | -4.97 |
| Aldh5a1 | -5.65 | Asns | 13.52 |
| Aldoc | -6.74 | Aspa | -5.67 |
| Anapc4 | 4.38 | Aspm | 3.32 |
| Anapc7 | 3.69 | Asxl1 | 4.58 |
| Ankfy1 | 3.38 | Atad2 | 15.47 |
| Ankrd17 | 4.11 | Atbf1 | -5.01 |
| Ankrd32 | 3.13 | Atf2 | 3.64 |
| Ankrd49 | 3.77 | Atf7ip | 6.84 |
| Ankrd56 | 5.74 | Atp11a | 8.23 |
| Ankrd57 | 4.58 | Atxn2 | 3.27 |
| Anln | 15.17 | AU018778 | -36.26 |
| Anp32b | 3.27 | Auh | -5.11 |
| Anxa1 | 3.43 | Aurka | 11.59 |
| Anxa2 | 25.87 | Aurkb | 4.01 |
| Aof2 | 3.01 | AV009015 | -9.53 |
| Aox3 | -13.75 | AV025504 | -3.10 |
| Ap1s1 | 3.38 | AW111846 | 11.12 |
| Apaf1 | 3.50 | AW555464 | 5.23 |
| Aph1a | -3.76 | B230120H23Rik | 4.52 |
| Apol3 /// LOC672691 | -3.87 | B230308N11Rik | 3.80 |
| Appbp2 | 3.13 | B830008H07Rik | -3.77 |
| Aqp11 | -10.38 | Bak1 | 5.70 |
| Aqp4 | -5.54 | Basp1 | 4.17 |
| Aqp8 | 6.43 | Bat1a | 3.07 |
| Arf6 | 4.32 | Bax | 6.98 |
| Arhgap11a | 7.62 | Baz1a | 5.33 |
| Arhgap12 | 7.53 | Bbox1 | -6.28 |
| Arhgdia | 4.93 | BC003993 | 3.36 |
| Arhgef3 | 8.63 | | |

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|---------------|----------------|-------------------|----------------|
| BC004022 | 4.49 | C230093N12Rik | -3.80 |
| BC013672 | 8.50 | C330008K14Rik | 33.34 |
| BC016423 | 3.47 | C330011F01Rik /// | 4.72 |
| BC016495 | -3.13 | 6430706D22Rik | |
| BC021614 | 3.12 | C330027C09Rik | 7.13 |
| BC023105 | 7.47 | C730027J19Rik | -10.61 |
| BC023882 | 3.38 | C730029A08Rik | -12.69 |
| BC024137 | -9.98 | C730036D15Rik | 14.44 |
| BC026782 | -4.63 | C730036E19Rik | -4.11 |
| BC048546 | 3.04 | C730043O17 | -4.04 |
| BC049806 | -6.18 | C730048C13Rik | -10.65 |
| BC049807 | 10.24 | Cabc1 | -3.05 |
| BC053440 | 8.60 | Calm3 | 3.11 |
| BC059842 | 3.55 | Calu | 3.48 |
| BC068171 | 3.36 | Camk2n2 | 3.16 |
| Bcl10 | 7.57 | Cap1 | 3.29 |
| Bcl2l1 | 3.35 | Car2 | 3.41 |
| Bclaf1 | 4.32 | Car3 | -25.04 |
| Bcmo1 | 4.77 | Car5a | -6.63 |
| Bcor | 3.90 | Carhsp1 | 4.31 |
| Bdh2 | -7.13 | Casc4 | 3.45 |
| Bid | 3.90 | Casp2 | 4.19 |
| Birc5 | 66.31 | Casp7 | 3.17 |
| Blcap | 3.10 | Casp8ap2 | 9.10 |
| Blmh | 3.36 | Cav2 | 11.05 |
| Bloc1s2 | 3.23 | Cbr1 | -5.38 |
| Bmper | 10.25 | Cc2d1a | 3.38 |
| Bmpr1a | 3.93 | Ccbl2 | -3.21 |
| Bok | 3.62 | Ccdc5 | 4.00 |
| Bphl | -3.83 | Ccdc55 | 3.47 |
| Brca1 | 13.77 | Ccdc59 | 3.42 |
| Brd2 | 3.04 | Ccdc86 | 4.45 |
| Brd4 /// | 4.53 | Ccna2 | 10.24 |
| Brd8 | 5.98 | Ccnb1 | 6.55 |
| Btbd10 | 5.03 | Ccnb1-rs1 /// | 10.39 |
| Btg1 | 4.86 | Ccnb1-rs1 /// | 10.62 |
| Btg2 | 7.20 | Ccnb2 | 20.26 |
| Btg3 | 6.87 | Ccnd2 | 7.42 |
| Bub1 | 6.28 | Ccne1 | 53.90 |
| C130065N10Rik | -5.96 | Ccne2 | 59.51 |
| C1qb | 11.04 | Ccnf | 18.64 |
| C1qc | -6.47 | Ccng1 | 4.10 |

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|--------------------|-----------------------|--------------------|-----------------------|
| Ccrn4l | 3.06 | Cep192 | 3.15 |
| Cd151 | 3.56 | Cep55 | 8.94 |
| Cd163 | -3.33 | Cep57 | 3.79 |
| Cd2bp2 | 5.25 | Cep76 | 3.32 |
| Cd36 | 11.91 | Ces2 | -11.46 |
| Cd59a | -3.38 | Ces3 | -14.11 |
| Cd5l | -16.25 | Cggbp1 | 5.91 |
| Cd68 | 5.56 | Chac1 | 7.36 |
| Cd9 | 14.05 | Chaf1b | 4.33 |
| Cd93 | 8.80 | Chek1 | 7.07 |
| Cda | 3.75 | Cherp | 3.36 |
| Cdc20 | 70.82 | Chic2 | 4.29 |
| Cdc25a | 3.03 | Chka | 6.96 |
| Cdc2a | 70.04 | Ciz1 | 3.15 |
| Cdc42se1 | 3.19 | Ckap2 | 21.53 |
| Cdc6 | 7.00 | Cklf | 6.88 |
| Cdca2 | 3.06 | Cks1b | 3.71 |
| Cdca3 | 21.12 | Cks2 | 3.52 |
| Cdca4 | 3.48 | Clca1 | 3.21 |
| Cdca5 | 23.30 | Clec4f | 39.18 |
| Cdca7 | 8.28 | Clic1 | 5.99 |
| Cdca8 | 40.37 | Clic4 | 3.02 |
| Cdk2 | 9.96 | Clmn | -3.68 |
| Cdk4 | 4.02 | Cln8 | 3.25 |
| Cdk9 | 4.47 | Clybl | -3.86 |
| Cdkn1a | 94.95 | Cml1 | -9.84 |
| Cdkn2c | 8.00 | Cml4 | 28.73 |
| Cdkn3 | 3.25 | Cml5 | -4.44 |
| Cdt1 | 138.34 | Cnot4 | 4.08 |
| Cdyl | 5.95 | Cnot6l | 5.33 |
| Cebpd | 4.30 | Cobl | 3.71 |
| Cenpa | -29.70 | Col27a1 | -4.96 |
| Cenpc1 | 3.42 | Col4a1 | 17.48 |
| Cenpf | 7.32 | Col4a2 | 12.51 |
| Cenpi | 3.13 | Colec10 | -7.14 |
| Cenpk | 11.22 | Comm10 | 3.76 |
| Cenpl | 10.27 | Coq10b | -3.17 |
| Cenpm | 8.19 | Coro1c | 7.11 |
| Cenpp | 3.84 | Cotl1 | 4.11 |
| Cenpq | 4.44 | Cox6b2 | 6.76 |
| Centd1 | 3.27 | Cp | 6.12 |
| Centg2 | 5.41 | Cpd | 3.02 |

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|--|----------------|----------------------|----------------|
| Cpne8 | 5.76 | Cyp4a10 /// BC013476 | -4.35 |
| Cpsf6 | 3.02 | Cyp4f14 | -11.82 |
| Crebl2 | -3.19 | Cyp4f15 | -6.76 |
| Crtap | 3.01 | Cyp4f16 | 6.76 |
| Cry1 | -3.05 | Cyp4f16 | 11.21 |
| Cryl1 | -5.65 | Cyp4v3 | -3.53 |
| Csflr | -22.21 | Cyp7a1 | -11.96 |
| Csf2ra | 3.85 | D030056L22Rik | 5.47 |
| Csf2rb1 | 4.27 | D0H4S114 | -121.77 |
| Csnk1g3 | 3.29 | D10Jhu81e | -3.34 |
| Csnk2a2 | 3.19 | D11Erttd18e | -4.43 |
| Csrp1 | 4.78 | D11Erttd497e | 6.37 |
| Cstb | 3.28 | D11Erttd759e | 7.76 |
| Ctbs | 5.93 | D11Lgp2e | 19.43 |
| Ctdp1 | 3.99 | D11Wsu99e | 3.04 |
| Ctla2a | 8.33 | D12Erttd647e | 3.27 |
| Ctla2a /// Ctla2b | 3.59 | D130020L05Rik | -4.50 |
| Ctla2b | 3.38 | D14Erttd668e | 7.52 |
| Ctnnd1 | 3.24 | D15Erttd682e | 7.15 |
| Ctps | 6.02 | D16Erttd472e | 3.54 |
| Ctps2 | 3.37 | D17H6S56E-5 | 247.97 |
| Ctse | -5.07 | D19Erttd721e | 3.57 |
| Ctnn | 4.06 | D19Erttd737e | 4.26 |
| Cul7 | 3.57 | D1Erttd471e | 3.94 |
| Cwf1912 | 3.65 | D1Erttd622e | 3.30 |
| Cxcl1 | 39.59 | D230012E17Rik | -3.21 |
| Cxcl10 | 40.31 | D2Erttd750e | 5.25 |
| Cxcl9 | 42.73 | D630004K10Rik | -3.30 |
| Cyb561 | 21.15 | D6Wsu163e | 4.49 |
| Cyb5r1 | 18.86 | D8Erttd354e | 3.81 |
| Cyp1a2 | -3.07 | D930010J01Rik | -19.18 |
| Cyp2a4 /// Cyp2a5 | -14.02 | D9Erttd402e | -3.24 |
| Cyp2b10 | 8.66 | Daxx | 5.74 |
| Cyp2c37 /// Cyp2c50 /// Cyp2c54 /// | -4.70 | Dbf4 | 31.61 |
| Cyp2c38 | -4.99 | Dbnidd2 | 3.56 |
| Cyp2c44 | -6.35 | Dbnl | 3.17 |
| Cyp2c50 /// Cyp2c54 | -15.68 | Dbp | -3.37 |
| Cyp2d13 | -5.95 | Dbr1 | 5.23 |
| Cyp2d22 | -5.35 | Dcbld1 | 3.00 |
| Cyp2f2 | -3.81 | Dcbld2 | 3.41 |
| Cyp39a1 | 3.10 | Dck | 20.06 |
| | | Dclre1a | -3.18 |

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|----------------------|----------------|---------------|----------------|
| Dct | -26.31 | Dopey2 | 3.20 |
| Dcxr | -3.85 | Dpm2 | 3.37 |
| Ddit3 | 3.52 | Dpp9 | 3.34 |
| Ddit4 | 5.02 | Dpyd | -3.32 |
| Ddo | -4.22 | Dpys | -9.62 |
| Ddr1 | 4.33 | Dsc2 | 3.43 |
| Ddx1 | 3.21 | Dtl | 13.45 |
| Ddx18 | 4.08 | Dtymk | 8.04 |
| Ddx20 | 3.34 | Dusp10 | 5.30 |
| Ddx21 | 3.65 | Dut | 13.13 |
| Ddx24 | 3.32 | Dync1h1 | 3.22 |
| Ddx27 | 3.02 | Dynlt1 | 3.05 |
| Ddx39 | 3.69 | Dyrk1a | 4.54 |
| Ddx52 | 4.33 | E130311K13Rik | 3.22 |
| Ddx58 | 5.65 | E2f7 | 9.66 |
| Decr1 | -4.80 | E2f8 | -6.77 |
| Decr2 | -5.66 | Ear11 | -4.63 |
| Dek | 3.57 | Ect2 | 17.87 |
| Depdc1a | 3.50 | Edg5 | 3.43 |
| Depdc6 | -18.35 | Eftud2 | 4.78 |
| Derl2 | -3.37 | EG226654 | -3.39 |
| Dgcr6 | -4.04 | EG380907 | -3.66 |
| Dgkd | 7.13 | EG434402 | -4.66 |
| Dgkz | 3.50 | Egfl7 | 3.84 |
| Dhrs13 | 14.37 | Egfr | -8.53 |
| Dhtkd1 | -7.81 | Egr1 | 49.15 |
| Dimt1 | 3.03 | Ehd4 | 6.86 |
| Dio1 | -11.86 | Ehhadh | -4.45 |
| Dip2a | 4.21 | Eid1 | 6.29 |
| Dna2l | 5.45 | Eif2ak2 | 6.17 |
| Dnajb4 | -3.41 | Ela1 | -7.48 |
| Dnajc10 | 6.77 | Elavl1 | 3.41 |
| Dnajc5 | 3.56 | Elf2 | 3.88 |
| Dnajc8 /// LOC669266 | 4.46 | Elovl6 | -13.45 |
| Dnajc9 | 24.70 | Emilin1 | 4.20 |
| Dnase2b | -5.25 | Eml4 | -7.17 |
| Dnmt1 | 23.87 | Emr1 | -3.91 |
| Dnttip1 | 7.89 | Enc1 | 4.10 |
| Dock7 | 4.06 | Enpp3 | 5.37 |
| Dock8 | -3.37 | Epb4.114b | -3.77 |
| Dom3z | 4.20 | Ephx2 | -4.68 |
| Donson | 4.50 | Eppk1 | 4.67 |

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|--------------------|-----------------------|--------------------|-----------------------|
| Erccl | 3.71 | Fnbp1l | 3.05 |
| Erccl6l | 4.22 | Fndc3b | 3.36 |
| Erccl8 | -6.76 | Fosl2 | 3.57 |
| Ero1l | 4.98 | Foxn2 | 3.30 |
| Es22 | -20.99 | Fscn1 | 3.07 |
| Esco2 | 31.72 | Ftsj3 | 3.72 |
| Esf1 | 5.80 | Fubp1 | 3.53 |
| Esr1 | -3.36 | Fuca2 | 4.51 |
| Ets2 | 5.56 | Fus | 23.30 |
| Ewsr1 | 4.13 | Fusip1 | 4.63 |
| Exoc4 | 8.12 | G6pc | -13.83 |
| Exod1 | 3.99 | Gabpa | 3.78 |
| Exosc10 | 3.08 | Gadd45a | 6.63 |
| Exosc8 | 5.63 | Gadd45b | 3.05 |
| Ezh2 | 20.09 | Gadd45g | 4.98 |
| F2r | 5.05 | Gamt | -15.47 |
| Faah | -4.55 | Gars | 3.18 |
| Fabp4 | 7.63 | Gas2l1 | 3.29 |
| Fads2 | -5.12 | Gas6 | 4.01 |
| Fahd2a | -3.19 | Gbp1 | 19.35 |
| Fasn | -3.96 | Gbp2 | 48.41 |
| Fat1 /// LOC672128 | 4.52 | Gbp3 | 39.29 |
| Fbxo30 | 5.05 | Gbp6 | 7.67 |
| Fbxo39 | 5.58 | Gcat | -3.22 |
| Fbxo5 | 8.07 | Gcc2 | 3.00 |
| Fbxo6 | 6.54 | Gchfr | -4.63 |
| Fbxw8 | 3.09 | Gcnt2 | 4.09 |
| Fcna | -5.40 | Gdf15 | 13.37 |
| Fem1b | 3.12 | Ghr | -7.48 |
| Fen1 | 60.30 | Gins1 | 5.04 |
| Fgf1 | -4.12 | Gja1 | 5.86 |
| Fgl1 | 4.53 | Gla | 3.05 |
| Fhad1 | 3.41 | Glo1 | -3.88 |
| Figl1 | 34.56 | Gls2 | -7.38 |
| Fip1l1 | 5.62 | Gm944 | 3.48 |
| Flna | 3.53 | Gm967 | -3.15 |
| Flnb | 3.76 | Gmn | 5.24 |
| Flot1 | 3.48 | Gna13 | 4.20 |
| Fmo1 | -9.91 | Gnai2 | 3.52 |
| Fmo2 | -3.56 | Gnmt | -3.07 |
| Fmo5 | -14.81 | Golph2 | 4.97 |
| Fmr1 | 4.09 | Gpatc4 | 4.22 |

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|--------------------|----------------|-----------------------|----------------|
| Gpbp1 | 3.60 | Hmgcs2 | -7.36 |
| Gpld1 | -3.12 | Hmgn2 | 3.50 |
| Gpr146 | -4.56 | Hmmr | 5.33 |
| Gpr155 | -4.93 | Hmox1 | 6.51 |
| Grcc10 | -3.12 | Hn1 | 10.28 |
| Grem2 | -26.00 | Hn11 | 3.84 |
| Grwd1 | 4.03 | Hnrpa1 | 6.25 |
| Gsdmdc1 | 5.71 | Hnrpa1 | 3.42 |
| Gsta1 /// Gsta2 | -6.63 | Hnrpab | 8.11 |
| Gsta2 | -7.84 | Hnrpd1 | 4.96 |
| Gsta3 | -10.05 | Hnrpm | 5.45 |
| Gsta4 | -9.08 | Hnrpr /// LOC669321 | 3.68 |
| Gstk1 | -3.64 | Hnrpu | 3.11 |
| Gsto1 | -5.78 | Homer2 | -7.34 |
| Gtpbp2 | 5.91 | Hrb | 7.47 |
| Gulo | -7.30 | Hsd17b10 | -3.32 |
| Gvin1 | 60.68 | Hsd17b6 | -18.04 |
| Gyg | 4.66 | Hsd3b2 | -16.96 |
| Gys2 /// LOC633620 | -8.69 | Hsd3b2 /// Hsd3b3 /// | -8.45 |
| H2afx | 5.56 | Hsd3b6 | |
| H2-D1 | 14.62 | Hsd3b5 | -71.91 |
| H2-Ea | -3.26 | Hspa14 | 3.45 |
| H2-K1 | 3.84 | Hspa1a | 15.10 |
| H2-T22 /// H2-T9 | 5.22 | Hspa8 | 3.92 |
| Haa0 | -7.42 | Hspb1 | 15.61 |
| Hacl1 | -5.86 | Htatip | 3.12 |
| Hal /// LOC638196 | -3.46 | Htf9c | 3.28 |
| Hat1 | 7.48 | Hyi | -3.30 |
| Hcfc1 | 3.51 | Iah1 | -3.27 |
| Hebp1 | -3.24 | Ibrdc3 | 3.15 |
| Hells | 33.20 | Icam1 | 16.58 |
| Herc5 | 19.02 | Id1 | 4.34 |
| Hes1 | 3.32 | Ier5 | 17.86 |
| Hes6 | -9.15 | Ifi202b | 15.35 |
| Hexb | 3.60 | Ifi203 /// Ifi204 /// | 3.31 |
| Hirip3 | 5.50 | LOC192690 /// Ifi205 | |
| Hmga1 | 3.54 | /// Mnda /// | |
| Hmgb1 | 3.07 | Ifi27 | 7.13 |
| Hmgb2 | 39.92 | Ifi35 | 4.93 |
| Hmgb2 | 48.61 | Ifi44 | 58.82 |
| Hmgb3 | 10.50 | Ifi47 | 4.34 |
| Hmgcs1 | 3.24 | Ifih1 | 4.44 |
| | | Ifit1 | 50.08 |

Supplementary Table 1: Cyclin D1 Differentially-expressed Genes

| Gene Symbol | D1 Fold Change | Gene Symbol | D1 Fold Change |
|-------------|----------------|---------------|----------------|
| Ifit3 | 24.70 | Keg1 | -18.72 |
| Ifnar2 | 3.05 | Khdrbs1 | 3.00 |
| Ifrd1 | 8.12 | Khk | -3.12 |
| Ift81 | 4.80 | Kif20a | 8.77 |
| Igfals | -10.35 | Kif22 | 4.77 |
| Igfbp1 | 21.04 | Kif2a | 4.60 |
| Igfbp2 | -5.89 | Kif2c | 18.13 |
| Igsf8 | 3.87 | Klf12 | -3.41 |
| Igtp | 4.92 | Klf6 | 31.19 |
| Il10rb | 3.99 | Klhdc4 | 3.80 |
| Il13ra1 | 3.26 | Klh124 | -3.02 |
| Il18bp | 35.31 | Klkb1 | -9.47 |
| Il1rap | -3.62 | Kpnb1 | 5.88 |
| Il1rn | 3.11 | Ktn1 | 3.20 |
| Il33 | 5.10 | Kynu | -4.45 |
| Ilf2 | 3.01 | Lactb2 | -3.17 |
| Immp21 | -3.32 | Larp7 | 5.40 |
| Incenp | 9.71 | Lbp | 6.80 |
| Inhbb | 10.99 | Lbr | 3.33 |
| Inhbc | -3.53 | Lcn2 | 751.18 |
| Inmt | -55.84 | Lect1 | -8.87 |
| Ints7 | 3.25 | Leprot1 | 3.92 |
| Ipo9 | 5.40 | Lgals1 | 4.30 |
| Iqgap1 | 7.02 | Lgals3bp | 13.80 |
| Iqgap3 | 3.39 | Lgmh | 15.40 |
| Irf1 | 5.09 | Lifr | -9.36 |
| Irf7 | 38.78 | Lig1 | 42.32 |
| Irgm | 8.80 | Limd2 | 3.04 |
| Isg2011 | 8.64 | Lims1 | 4.63 |
| Isgf3g | 4.51 | Lin7a | -7.62 |
| Isyna1 | 12.84 | Lipc | -13.54 |
| Itga5 | 4.36 | Lipg | -3.22 |
| Itgb5 | 3.62 | Litaf | 5.33 |
| Itm2c | 7.50 | Lmna | 10.75 |
| Ivd | -5.93 | Lnp | 3.12 |
| Iws1 | 3.12 | LOC100045448 | 3.01 |
| Josd3 | 4.42 | March7 | |
| Jun | 6.23 | LOC278757 /// | 3.39 |
| Junb | 7.80 | EG631624 | |
| Kctd3 | 5.31 | LOC552905 | 6.61 |
| Kdelc1 | 3.07 | LOC630509 /// | 9.01 |
| Keap1 | 3.56 | LOC674192 | |
| | | LOC630539 | 5.40 |

Supplementary Table 1: Cyclin D1 Differentially-expressed Genes

| Gene Symbol | D1 Fold Change | Gene Symbol | D1 Fold Change |
|-------------|----------------|---------------------|----------------|
| LOC633966 | 3.62 | Mcm3 | 53.52 |
| LOC637741 | 3.53 | Mcm4 | 53.71 |
| LOC668215 | -7.54 | Mcm5 | 84.57 |
| LOC672274 | 4.44 | Mcm6 | 138.82 |
| LOC673662 | -3.99 | Mcm7 | 26.93 |
| LOC677168 | 96.61 | Mcm7 /// LOC433027 | 7.64 |
| Lonrf3 | 3.13 | Mdc1 | 3.88 |
| Lpgat1 | 3.51 | Mdm2 | 10.29 |
| Lrat | -3.88 | Med28 | 3.64 |
| Lrp10 | 3.28 | Med9 | 5.43 |
| Lrrc59 | 4.93 | Mef2a | 3.76 |
| Lrrfip1 | 5.44 | Melk | 5.96 |
| Lsm2 | 4.43 | Mettl6 | 4.49 |
| Lsm5 | 3.10 | MGC73635 | 104.84 |
| Lsm8 | 12.29 | Mgea5 | 5.01 |
| Ltb4dh | 3.10 | Mgll | -7.51 |
| Luzp1 | 3.44 | Mier3 | 4.47 |
| Ly6a | 29.99 | Mki67 | 48.64 |
| Ly6c | 8.48 | Mkrn1 | 6.39 |
| Ly6e | 5.31 | Mikl | 34.42 |
| Ly96 | 6.39 | Milt10 | 3.06 |
| Lzic | 4.01 | Milt4 | 3.20 |
| M6pr | 3.47 | Mlxip1 | -3.03 |
| M6prbp1 | 5.89 | Moap1 | 3.02 |
| Mad2l1 | 19.20 | Morc3 | 3.83 |
| Mad2l2 | 7.34 | Morc4 | 5.71 |
| Maged2 | 3.70 | Mosc1 | -6.69 |
| Mageh1 | 3.43 | Mospd1 | 3.55 |
| Map3k7ip2 | 4.28 | Mpa2l | 23.99 |
| Mapk3 | 4.03 | Mpa2l /// LOC626578 | 15.35 |
| Mapre1 | 4.20 | /// LOC673101 | |
| Mapre2 | -5.88 | Mpeg1 | 3.65 |
| Marveld2 | 3.07 | Mpg | 3.22 |
| Masp1 | -5.44 | Mphosph1 | 3.92 |
| Mast2 | 3.03 | Mpp4 | -4.31 |
| Mbd1 | 9.45 | Mpzl1 | 5.60 |
| Mccc1 | -3.33 | Ms4a4d | 3.02 |
| Mccc2 | -4.46 | Ms4a6d | 3.26 |
| Mcee | -4.11 | Msh2 | 3.50 |
| Mcl1 | 4.27 | Msh6 | 11.88 |
| Mcm10 | -7.65 | Msl2l1 | 3.43 |
| Mcm2 | 49.91 | Msn | 3.94 |

Supplementary Table 1: Cyclin D1 Differentially-expressed Genes

| Gene Symbol | D1 Fold Change | Gene Symbol | D1 Fold Change |
|--------------------|-----------------------|--------------------|-----------------------|
| Mt1 | 77.55 | Nek2 | 8.59 |
| Mt2 | 266.69 | Neo1 | 4.39 |
| Mta2 | 3.16 | Nfia | -3.07 |
| Mtap4 | 3.73 | Nfkbil1 | 3.16 |
| Mtdh | 3.54 | Nfkbiz | 3.12 |
| Mthfd1 | -5.95 | Ngp | 3.64 |
| Mthfd2 | 11.34 | Nid1 | 7.02 |
| Mthfr | 5.39 | Nipbl | 3.06 |
| Mtm1 | 11.16 | Nit2 | -3.48 |
| Mtmr2 | 4.10 | Nlrp6 | -3.95 |
| Mtpn | 3.56 | Nmi | 4.43 |
| Mtrf11 | 3.22 | Nmral1 | 8.64 |
| Mum1 | 5.82 | Nnmt | 5.04 |
| Mup1 | -70.33 | Nnp1 | 3.88 |
| Mup3 | -3.93 | Nol11 | 3.51 |
| Mvd | -3.07 | Nol5 | 4.89 |
| Mvp | 13.75 | Nol5a | 3.05 |
| Mxi1 | -3.10 | Nola1 | 4.32 |
| Mybbp1a | 5.09 | Nolc1 | 3.54 |
| Myd116 | 6.18 | Notch1 | 3.30 |
| Myg1 | 3.45 | Nox4 | -6.86 |
| Myh10 | 6.44 | Npat | 5.67 |
| Myo10 | 3.20 | Nr1i3 | -6.17 |
| Myo1c | 4.57 | Nras | 3.89 |
| Myo5b | 3.22 | Nrp1 | -4.66 |
| Myo9b | 3.32 | Nsmce1 | 6.28 |
| Myot | -4.35 | Nt5c3l | 3.84 |
| Nagk | 3.22 | Nt5dc2 | 3.22 |
| Nans | 6.69 | Nubp1 | 3.23 |
| Nap1l1 | 9.19 | Nudt7 | -11.41 |
| Narg1 | 4.39 | Nuf2 | 16.15 |
| Nasp | 5.67 | Nup133 | 4.08 |
| Ncapd3 | 11.32 | Nup153 | 3.55 |
| Ncapg | 7.78 | Nup160 | 6.75 |
| Ncapg2 | 7.82 | Nup205 | 3.88 |
| Ncaph | 12.16 | Nup43 | 5.21 |
| Ncdn | 3.40 | Nup50 | 9.19 |
| Ncl | 3.37 | Nup54 | 4.19 |
| Ncoa2 | 3.28 | Nup62 | 3.10 |
| Ncoa5 | 3.40 | Nup85 | 6.45 |
| Ndrgl | 21.49 | Nup93 | 8.50 |
| Nedd1 | 3.48 | Nup11 | 5.44 |

Supplementary Table 1: Cyclin D1 Differentially-expressed Genes

| Gene Symbol | D1 Fold Change | Gene Symbol | D1 Fold Change |
|--------------------|-----------------------|----------------------|-----------------------|
| Nusap1 | 14.45 | Pea15 | 6.19 |
| Oas1a | 66.22 | Peli1 | 4.39 |
| Oas1l | 25.23 | Pelp1 | 3.46 |
| Oat | -4.11 | Per2 | -10.55 |
| Obfc2a | 4.45 | Pex26 | -4.51 |
| Ociad2 | -3.72 | Pfn2 | 5.19 |
| Ogfr | 3.68 | Pgd | 3.58 |
| Onecut1 | -20.38 | Pgm1 | 4.77 |
| Onecut2 | -7.75 | Pgs1 | 4.41 |
| Orc6l | 5.63 | Phc2 | 9.12 |
| Orm2 | 99.46 | Phf10 | 5.33 |
| Osgin2 | 4.05 | Phf23 | 3.09 |
| Osmr | 12.39 | Phf8 | -3.54 |
| Otc | -3.46 | Phlda3 | 6.93 |
| Otud1 | 5.09 | Pigy | -3.75 |
| Pank1 | -4.34 | Pik3cd | -5.69 |
| Pap | 220.87 | Pip5k2c | 4.24 |
| Papss2 | -3.73 | Pipox | -6.70 |
| Parp11 | 7.00 | Pitpnm1 | 5.55 |
| Parp12 | 7.71 | Pklr | -7.79 |
| Parp14 | 16.44 | Pkm2 | 6.00 |
| Parp16 | 3.67 | Plac8 | 11.83 |
| Parp2 | 3.47 | Plcl2 | 3.06 |
| Paxip1 | 3.58 | Pld1 | 3.31 |
| Pbk | 16.67 | Plec1 | 3.02 |
| Pbld | -3.52 | Plec1 /// LOC671535 | 5.26 |
| Pbx3 | 12.24 | Plekhb1 | -6.30 |
| Pcbp4 | 6.65 | Plekhhl1 | 5.73 |
| Pcca | -3.32 | Plk1 | 5.04 |
| Pcgf5 | 4.77 | Plk4 | 8.94 |
| Pcm1 | 4.20 | Plp2 | 5.29 |
| Pcmt1 | 4.58 | Plscr1 | 10.55 |
| Pcmtl1 | -3.36 | Plscr1 /// LOC433328 | 15.65 |
| Pcna | 5.60 | Plxnb1 | 4.59 |
| Pdcd4 | -3.13 | Pml | 6.00 |
| Pde4b | 4.78 | Pola1 | 11.39 |
| Pdgfrb | 4.81 | Pold1 | 7.83 |
| Pdhb | -3.24 | Pold3 | 3.76 |
| Pdk1 | -19.73 | Pole2 | 3.88 |
| Pdk2 | -3.68 | Pole3 | 3.36 |
| Pdk4 | 9.48 | Polk | 4.17 |
| Pdxk | -3.33 | Polr3a | 3.07 |

Supplementary Table 1: Cyclin D1 Differentially-expressed Genes

| Gene Symbol | D1 Fold Change | Gene Symbol | D1 Fold Change |
|--------------------|-----------------------|--------------------|-----------------------|
| Pom121 | 3.12 | Pttg1 | 20.44 |
| Pop7 | 3.90 | Pvr | 4.53 |
| Por | -7.12 | Pwp1 | 3.00 |
| Ppap2c | 3.42 | Pxmp2 | -4.34 |
| Ppapdc1 | 4.00 | Qars | 3.09 |
| Ppfibp1 | 7.37 | Qk | 3.52 |
| Ppm1f | 3.94 | Rab10 | 3.44 |
| Ppm1g | 4.61 | Rab13 | 4.04 |
| Ppm1k | -3.64 | Rab31 | 5.38 |
| Ppm1m | 4.56 | Rab4b | 3.01 |
| Ppm2c | 3.12 | Rabepk | -3.42 |
| Ppp1r3b | -4.76 | Racgap1 | 3.83 |
| Ppp1r8 | 3.35 | Rad21 | 3.72 |
| Ppp2r2a | 3.11 | Rad50 | 3.74 |
| Ppp4c | 4.89 | Rad51 | 13.99 |
| Ppp4r1 | 3.05 | Rad51ap1 | 7.96 |
| Pprc1 | 3.01 | Rad51l1 | 3.71 |
| Ppwd1 | 3.22 | Ranbp5 | 3.90 |
| Prc1 | 18.16 | Rars | 3.34 |
| Prg1 | 3.37 | Rb1 | 4.20 |
| Prg4 | 6.43 | Rbbp6 | 3.76 |
| Prim1 | 19.62 | Rbbp8 | 8.62 |
| Prim2 | 5.42 | Rbl1 | 13.99 |
| Prkab1 | 3.37 | Rbm19 | 4.01 |
| Prlr | -7.49 | Rbm22 | 3.76 |
| Prmt1 | 3.06 | Rbms1 | 3.23 |
| Prodh | -8.14 | Rbmx | 3.68 |
| Prodh2 | -4.83 | Rbpms | 4.02 |
| Prpf40a | 3.58 | Rcc2 | 6.05 |
| Prune | 9.37 | Rcn1 | 4.53 |
| Psat1 | 83.75 | Rcn2 | 3.44 |
| Pscd2 | 3.33 | Rdbp | 4.27 |
| Psg21 | -3.47 | Rdh16 | -17.94 |
| Psip1 | 5.04 | Recc1 | 4.03 |
| Psmb8 | 4.91 | Reep4 | 3.42 |
| Psmb9 | 7.64 | Reep5 | 15.68 |
| Psmc7 | 3.09 | Reln | -8.54 |
| Pspc1 | 3.48 | Reps1 | 5.61 |
| Ptbp2 | 3.48 | Retsat | -8.07 |
| Pten | -3.34 | Rfc3 | 12.42 |
| Ptpn12 | 3.60 | Rfc4 | 16.50 |
| Ptprd | -5.55 | Rfc5 | 13.61 |

Supplementary Table 1: Cyclin D1 Differentially-expressed Genes

| Gene Symbol | D1 Fold Change | Gene Symbol | D1 Fold Change |
|--------------------|-----------------------|---------------------|-----------------------|
| Rfwd3 | 3.27 | Sardh | -9.62 |
| Rgs5 | 3.33 | Sars | 3.06 |
| Rhbdd1 | 4.04 | Sart3 | 3.13 |
| Rhoc | 6.94 | Sat1 | 3.17 |
| Rhpn2 | 5.61 | Sc5d | -6.83 |
| Rif1 /// LOC671598 | 8.03 | Scotin | 13.57 |
| Riok1 | 3.30 | Scrn3 | -4.61 |
| Rit1 | 4.14 | Scyl1bp1 | 5.45 |
| Rnaseh2a | 3.87 | Sdro | -3.25 |
| Rnd3 | 3.58 | Sec61a1 | 3.44 |
| Rnf121 | 5.32 | Sel1l | -3.67 |
| Rnf13 | -3.22 | Sema6c | -3.04 |
| Rnf168 | 3.47 | Senp2 | 4.40 |
| Rnpc3 | 4.45 | Senp6 | 3.13 |
| Rnps1 | 3.41 | Sephs1 | 3.05 |
| Rnuxa | 3.65 | Sept10 | 4.15 |
| Rod1 | 4.17 | Sept11 | 5.55 |
| Rorc | -5.43 | Serinc3 | 4.00 |
| Rpa1 | 7.21 | Serinc5 | 3.67 |
| Rpa2 | 22.62 | Serpina3n | 3.04 |
| Rpap1 | 3.12 | Serpina4-ps1 | -4.49 |
| Rqcd1 | 4.95 | Serpina6 | -9.76 |
| Rras | 4.10 | Serpina7 | 6.97 |
| Rras2 | 3.64 | Serpinh1 | 3.24 |
| Rrm1 | 33.13 | Sertad1 | 4.10 |
| Rrm2 | 114.73 | Sf3a1 | 3.62 |
| Rsad2 | 31.30 | Sf3a3 | 3.15 |
| Rtcd1 | 3.34 | Sf3a3 /// LOC626830 | 3.77 |
| Rtn4 | 3.67 | Sf3b3 | 3.79 |
| Rtp4 | 10.68 | Sfpq | 3.14 |
| S100a10 | 4.01 | Sfrs1 | 6.14 |
| S100a11 | 54.50 | Sfrs10 | 3.25 |
| S100a6 | 3.53 | Sgk3 | 3.28 |
| S100a8 | 190.16 | Sh3bgrl2 | 3.36 |
| S100a9 | 130.42 | Sh3bgrl3 | 3.78 |
| Saa1 | 7.10 | Shcbp1 | 30.01 |
| Saa2 | 33.57 | Shmt1 | -4.32 |
| Saa3 | 60.39 | Shroom3 | 3.03 |
| Sae1 | 5.60 | Siah1a | 3.56 |
| Samd9l | 16.52 | Sirt1 | 3.25 |
| Samhd1 | 5.06 | Sirt3 | -3.69 |
| Sap30bp | 3.00 | Siva1 | 5.39 |

Supplementary Table 1: Cyclin D1 Differentially-expressed Genes

| Gene Symbol | D1 Fold Change | Gene Symbol | D1 Fold Change |
|---------------------|----------------|---------------------|----------------|
| Skp2 | 6.00 | Snx12 | 3.56 |
| Slbp | 11.77 | Snx16 | 7.30 |
| Slc10a1 | -7.52 | Snx5 | 5.36 |
| Slc13a3 | 10.19 | Snx6 | 3.53 |
| Slc13a5 | 3.07 | Socs2 | -20.16 |
| Slc16a2 | -7.34 | Socs3 | 44.54 |
| Slc16a6 | 3.20 | Socs6 | 4.46 |
| Slc17a2 | -3.29 | Sord | -9.77 |
| Slc1a4 | 3.01 | Sp3 | 3.76 |
| Slc22a7 | -11.18 | Spaca3 | -3.52 |
| Slc25a19 | -3.63 | Sparc | 5.50 |
| Slc25a30 | -8.09 | Spata13 | 3.10 |
| Slc25a42 | -3.30 | Spbc25 | 9.85 |
| Slc2a1 | 9.60 | Spg3a | 3.55 |
| Slc2a2 | -11.02 | Spna2 | 3.52 |
| Slc37a4 | -7.41 | Spp1 | 3.88 |
| Slc39a14 | 3.99 | Spp2 | -3.78 |
| Slc39a6 | 6.73 | Sprr1a | 6.56 |
| Slc3a2 | 3.81 | Sptlc2 | 10.08 |
| Slc41a2 | 4.34 | Sqstm1 | 3.28 |
| Slc9a3r2 | -4.84 | Srd5a1 | -19.79 |
| Slco1a1 | -23.63 | Srprb | 3.12 |
| Slco1a4 | -11.31 | Srr | -4.29 |
| Slco2b1 | -3.64 | Srrm2 | 3.12 |
| Slfn8 | 3.33 | Srxn1 | 19.02 |
| Slfn9 | 60.13 | Ss18 | 3.43 |
| Slpi | 15.87 | Ssrp1 | 6.17 |
| Smarca5 | 4.35 | Ssx2ip | 4.19 |
| Smc2 | 30.64 | Stag1 | 4.07 |
| Smc4 | 17.98 | Stam2 | 3.05 |
| Smc5 | 5.43 | Stard4 | -5.46 |
| Smc6 | 3.89 | Stard5 | -3.19 |
| Smchd1 | 4.65 | Stat1 | 27.52 |
| Smpd13a | -4.19 | Stat3 | 5.63 |
| Snapc2 | 4.48 | Steap4 | 6.71 |
| Snhg3 /// LOC670438 | 4.87 | Stk17b | 4.41 |
| Snip1 | 3.62 | Stmn1 | 16.89 |
| Snord22 | 4.65 | Stmn1 /// LOC639458 | 5.57 |
| Snrpa1 | 3.08 | Stom | 7.73 |
| Snrpd1 | 3.15 | Sucnr1 | -6.20 |
| Sntb2 | 5.05 | Sult1b1 | -5.30 |
| Snx1 | 3.21 | Sult5a1 | -4.99 |

Supplementary Table 1: Cyclin D1 Differentially-expressed Genes

| <u>Gene Symbol</u> | <u>D1 Fold Change</u> | <u>Gene Symbol</u> | <u>D1 Fold Change</u> |
|--------------------|-----------------------|--------------------|-----------------------|
| Suox | -4.91 | Thoc4 | 3.98 |
| Supt16h | 3.15 | Thoc4 /// Refbp2 | 6.07 |
| Suv39h1 | 3.68 | Thrap1 | 3.47 |
| Suz12 | 3.88 | Thrap3 | 3.37 |
| Syce2 | 10.62 | Thrsp | -16.85 |
| Sycp3 | -4.32 | Tinf2 | 5.67 |
| Syncrip | 4.41 | Tipin | 13.51 |
| Tacc2 | 4.13 | Tjp2 | 9.16 |
| Tacc3 | 8.17 | Tlk2 | 4.85 |
| Taf1 | 5.26 | Tln1 | 3.39 |
| Taf9 | 3.15 | Tlr3 | 4.35 |
| Tagap | 3.90 | Tm2d2 | -3.77 |
| Tagln2 | 5.27 | Tm9sf2 | -26.38 |
| Tap1 | 25.06 | Tm9sf3 | -4.09 |
| Tap2 | 11.86 | Tmem106a | 3.10 |
| Tapbp | 4.49 | Tmem129 | 8.33 |
| Tardbp | 3.45 | Tmem140 | 3.44 |
| Tax1bp3 | 4.42 | Tmem14a | -4.39 |
| Tbc1d10b | 3.31 | Tmem165 | 4.16 |
| Tbk1 | 5.33 | Tmem168 | 3.57 |
| Tbp11 | 3.11 | Tmem23 | 4.49 |
| Tbrg1 | 3.94 | Tmem43 | 4.33 |
| Tceal8 | 4.06 | Tmem51 | 3.52 |
| Tcerg1 | 3.81 | Tmem59 | -5.39 |
| Tcf19 | 39.43 | Tmpo | 10.86 |
| Tcirg1 | 4.64 | Tmprss6 | -3.26 |
| Tdrd7 | 5.03 | Tmsb10 | 66.35 |
| Tef | -5.77 | Tnfaip1 | 4.22 |
| Terf1 | 4.30 | Tnfaip2 | 3.97 |
| Terf2 | 3.14 | Tnfrsf11b | 5.19 |
| Tex10 | 3.51 | Tnfrsf1a | 3.95 |
| Tfip11 | 4.06 | Tnfrsf1b | 3.87 |
| Tgif | 3.49 | Tomm20 | -3.19 |
| Tgm1 | 3.96 | Top2a | 47.91 |
| Tgm2 | 8.47 | Topbp1 | 15.34 |
| Tgoln1 | 4.40 | Topors | 4.49 |
| Tgtp | 72.46 | Tor1aip1 | 5.48 |
| Thbd | 11.54 | Tpm1 | 6.30 |
| Thbs1 | 4.24 | Tpm3 | 8.05 |
| Them2 | -5.74 | Tpm4 | 4.83 |
| Thex1 | 13.68 | Tpr | 5.37 |
| Thoc1 | 4.09 | Tprkb | -3.09 |

Supplementary Table 1: Cyclin D1 Differentially-expressed Genes

| Gene Symbol | D1 Fold Change | Gene Symbol | D1 Fold Change |
|----------------------------|-----------------------|---------------------|-----------------------|
| Tpte2 | 3.41 | Ucp2 | 5.70 |
| Tpx2 | 5.74 | Ugt2a3 | -3.64 |
| Traf3 | 3.17 | Ugt2b1 | -4.12 |
| Trafd1 | 4.83 | Ugt3a1 | -8.20 |
| Trib3 | 13.25 | Ugt3a1 /// EG666512 | -6.43 |
| Trim24 | 3.71 | Ugt3a2 | -3.36 |
| Trim25 | 3.17 | Uhrf1 | 31.98 |
| Trim27 | 4.06 | Ulk2 | -3.84 |
| Trim30 | 18.11 | Ung | 3.49 |
| Trip13 | 19.06 | Uroc1 | -5.14 |
| Trip6 | 3.76 | Usp1 | 6.87 |
| Trmt1 | 3.21 | Usp18 | 59.80 |
| Trp53bp1 | 4.68 | Usp2 | -17.33 |
| Trp53inp1 | 5.11 | Utp20 | 3.11 |
| Tshz1 | 5.89 | Utp6 | 4.76 |
| Tspan3 | 3.00 | Vars2 | 8.11 |
| Tspo | 3.08 | Vasp | 3.88 |
| Tsr1 | 3.29 | Vil2 | 3.51 |
| Tsr2 | 3.48 | Vim | 10.08 |
| Tssc1 | 3.26 | Vnn1 | 15.80 |
| Tssc4 | 6.16 | Vnn3 | 7.20 |
| Ttk | 3.99 | Vsig4 | -20.97 |
| Tuba2 | 4.73 | Wac | 5.16 |
| Tubb2c | 4.01 | Wbp5 | 5.57 |
| Tubb5 | 8.37 | Wdr1 | 3.63 |
| Tubb6 | 123.56 | Wdr20a | 3.59 |
| Tubgcp2 | 13.06 | Wdr57 | 4.03 |
| Tubgcp3 | 3.15 | Whsc11 | -3.32 |
| Tug1 | 4.78 | Wsb1 | 4.59 |
| Twsg1 | 8.03 | Wwp1 | -3.34 |
| Tyki | 11.51 | Xlkd1 | 14.27 |
| Tyms /// Tyms-ps | 17.94 | Xpo6 | 3.02 |
| Ubap1 | 4.26 | Xrn2 | 3.53 |
| Ubap2 | 4.67 | Ywhaz | 4.23 |
| Ube1l | 10.58 | Zap70 | -3.12 |
| Ube1l /// D330022A01Rik | 5.30 | Zbp1 | 40.62 |
| Ube2c | 79.02 | Zc3h15 | 4.11 |
| Ube2l6 | 3.97 | Zcchc11 | 4.14 |
| Ube2s | 4.89 | Zdhhc14 | -5.91 |
| Ube2t | 6.41 | Zdhhc18 | 3.00 |
| Ube2z | 3.75 | Zfa /// Zfx | -3.37 |
| | | Zfand2a | 17.84 |

Supplementary Table 1: Cyclin D1 Differentially-expressed Genes

| Gene Symbol | D1 Fold Change |
|--------------------|-----------------------|
| Zfand3 | 4.63 |
| Zfp263 | 3.06 |
| Zfp313 | 3.69 |
| Zfp367 | 8.86 |
| Zfp386 | 4.29 |
| Zfp422-rs1 | 3.13 |
| Zfp451 | 3.23 |
| Zfp53 | 3.50 |
| Zfp622 | 3.58 |
| Zfp644 | 4.00 |
| Zfp740 | 3.59 |
| Zfp91 | 3.30 |
| Znhit3 | 3.14 |
| Znrf2 | -3.14 |
| Zrsr2 | 3.64 |
| Zwilch | 16.75 |
| Zwint | 9.61 |
| Zzz3 | 3.97 |

Supplementary Table 2: Cyclin D2 Differentially-expressed Genes

| Gene Symbol | Gene Name | Gene Symbol | Gene Name |
|-------------|-------------|-------------|-------------|
| CCND2 | Cyclin D2 | CCND2 | Cyclin D2 |
| CCND1 | Cyclin D1 | CCND1 | Cyclin D1 |
| CCND3 | Cyclin D3 | CCND3 | Cyclin D3 |
| CCND4 | Cyclin D4 | CCND4 | Cyclin D4 |
| CCNE1 | Cyclin E1 | CCNE1 | Cyclin E1 |
| CCNE2 | Cyclin E2 | CCNE2 | Cyclin E2 |
| CCNE3 | Cyclin E3 | CCNE3 | Cyclin E3 |
| CCNE4 | Cyclin E4 | CCNE4 | Cyclin E4 |
| CCNE5 | Cyclin E5 | CCNE5 | Cyclin E5 |
| CCNE6 | Cyclin E6 | CCNE6 | Cyclin E6 |
| CCNE7 | Cyclin E7 | CCNE7 | Cyclin E7 |
| CCNE8 | Cyclin E8 | CCNE8 | Cyclin E8 |
| CCNE9 | Cyclin E9 | CCNE9 | Cyclin E9 |
| CCNE10 | Cyclin E10 | CCNE10 | Cyclin E10 |
| CCNE11 | Cyclin E11 | CCNE11 | Cyclin E11 |
| CCNE12 | Cyclin E12 | CCNE12 | Cyclin E12 |
| CCNE13 | Cyclin E13 | CCNE13 | Cyclin E13 |
| CCNE14 | Cyclin E14 | CCNE14 | Cyclin E14 |
| CCNE15 | Cyclin E15 | CCNE15 | Cyclin E15 |
| CCNE16 | Cyclin E16 | CCNE16 | Cyclin E16 |
| CCNE17 | Cyclin E17 | CCNE17 | Cyclin E17 |
| CCNE18 | Cyclin E18 | CCNE18 | Cyclin E18 |
| CCNE19 | Cyclin E19 | CCNE19 | Cyclin E19 |
| CCNE20 | Cyclin E20 | CCNE20 | Cyclin E20 |
| CCNE21 | Cyclin E21 | CCNE21 | Cyclin E21 |
| CCNE22 | Cyclin E22 | CCNE22 | Cyclin E22 |
| CCNE23 | Cyclin E23 | CCNE23 | Cyclin E23 |
| CCNE24 | Cyclin E24 | CCNE24 | Cyclin E24 |
| CCNE25 | Cyclin E25 | CCNE25 | Cyclin E25 |
| CCNE26 | Cyclin E26 | CCNE26 | Cyclin E26 |
| CCNE27 | Cyclin E27 | CCNE27 | Cyclin E27 |
| CCNE28 | Cyclin E28 | CCNE28 | Cyclin E28 |
| CCNE29 | Cyclin E29 | CCNE29 | Cyclin E29 |
| CCNE30 | Cyclin E30 | CCNE30 | Cyclin E30 |
| CCNE31 | Cyclin E31 | CCNE31 | Cyclin E31 |
| CCNE32 | Cyclin E32 | CCNE32 | Cyclin E32 |
| CCNE33 | Cyclin E33 | CCNE33 | Cyclin E33 |
| CCNE34 | Cyclin E34 | CCNE34 | Cyclin E34 |
| CCNE35 | Cyclin E35 | CCNE35 | Cyclin E35 |
| CCNE36 | Cyclin E36 | CCNE36 | Cyclin E36 |
| CCNE37 | Cyclin E37 | CCNE37 | Cyclin E37 |
| CCNE38 | Cyclin E38 | CCNE38 | Cyclin E38 |
| CCNE39 | Cyclin E39 | CCNE39 | Cyclin E39 |
| CCNE40 | Cyclin E40 | CCNE40 | Cyclin E40 |
| CCNE41 | Cyclin E41 | CCNE41 | Cyclin E41 |
| CCNE42 | Cyclin E42 | CCNE42 | Cyclin E42 |
| CCNE43 | Cyclin E43 | CCNE43 | Cyclin E43 |
| CCNE44 | Cyclin E44 | CCNE44 | Cyclin E44 |
| CCNE45 | Cyclin E45 | CCNE45 | Cyclin E45 |
| CCNE46 | Cyclin E46 | CCNE46 | Cyclin E46 |
| CCNE47 | Cyclin E47 | CCNE47 | Cyclin E47 |
| CCNE48 | Cyclin E48 | CCNE48 | Cyclin E48 |
| CCNE49 | Cyclin E49 | CCNE49 | Cyclin E49 |
| CCNE50 | Cyclin E50 | CCNE50 | Cyclin E50 |
| CCNE51 | Cyclin E51 | CCNE51 | Cyclin E51 |
| CCNE52 | Cyclin E52 | CCNE52 | Cyclin E52 |
| CCNE53 | Cyclin E53 | CCNE53 | Cyclin E53 |
| CCNE54 | Cyclin E54 | CCNE54 | Cyclin E54 |
| CCNE55 | Cyclin E55 | CCNE55 | Cyclin E55 |
| CCNE56 | Cyclin E56 | CCNE56 | Cyclin E56 |
| CCNE57 | Cyclin E57 | CCNE57 | Cyclin E57 |
| CCNE58 | Cyclin E58 | CCNE58 | Cyclin E58 |
| CCNE59 | Cyclin E59 | CCNE59 | Cyclin E59 |
| CCNE60 | Cyclin E60 | CCNE60 | Cyclin E60 |
| CCNE61 | Cyclin E61 | CCNE61 | Cyclin E61 |
| CCNE62 | Cyclin E62 | CCNE62 | Cyclin E62 |
| CCNE63 | Cyclin E63 | CCNE63 | Cyclin E63 |
| CCNE64 | Cyclin E64 | CCNE64 | Cyclin E64 |
| CCNE65 | Cyclin E65 | CCNE65 | Cyclin E65 |
| CCNE66 | Cyclin E66 | CCNE66 | Cyclin E66 |
| CCNE67 | Cyclin E67 | CCNE67 | Cyclin E67 |
| CCNE68 | Cyclin E68 | CCNE68 | Cyclin E68 |
| CCNE69 | Cyclin E69 | CCNE69 | Cyclin E69 |
| CCNE70 | Cyclin E70 | CCNE70 | Cyclin E70 |
| CCNE71 | Cyclin E71 | CCNE71 | Cyclin E71 |
| CCNE72 | Cyclin E72 | CCNE72 | Cyclin E72 |
| CCNE73 | Cyclin E73 | CCNE73 | Cyclin E73 |
| CCNE74 | Cyclin E74 | CCNE74 | Cyclin E74 |
| CCNE75 | Cyclin E75 | CCNE75 | Cyclin E75 |
| CCNE76 | Cyclin E76 | CCNE76 | Cyclin E76 |
| CCNE77 | Cyclin E77 | CCNE77 | Cyclin E77 |
| CCNE78 | Cyclin E78 | CCNE78 | Cyclin E78 |
| CCNE79 | Cyclin E79 | CCNE79 | Cyclin E79 |
| CCNE80 | Cyclin E80 | CCNE80 | Cyclin E80 |
| CCNE81 | Cyclin E81 | CCNE81 | Cyclin E81 |
| CCNE82 | Cyclin E82 | CCNE82 | Cyclin E82 |
| CCNE83 | Cyclin E83 | CCNE83 | Cyclin E83 |
| CCNE84 | Cyclin E84 | CCNE84 | Cyclin E84 |
| CCNE85 | Cyclin E85 | CCNE85 | Cyclin E85 |
| CCNE86 | Cyclin E86 | CCNE86 | Cyclin E86 |
| CCNE87 | Cyclin E87 | CCNE87 | Cyclin E87 |
| CCNE88 | Cyclin E88 | CCNE88 | Cyclin E88 |
| CCNE89 | Cyclin E89 | CCNE89 | Cyclin E89 |
| CCNE90 | Cyclin E90 | CCNE90 | Cyclin E90 |
| CCNE91 | Cyclin E91 | CCNE91 | Cyclin E91 |
| CCNE92 | Cyclin E92 | CCNE92 | Cyclin E92 |
| CCNE93 | Cyclin E93 | CCNE93 | Cyclin E93 |
| CCNE94 | Cyclin E94 | CCNE94 | Cyclin E94 |
| CCNE95 | Cyclin E95 | CCNE95 | Cyclin E95 |
| CCNE96 | Cyclin E96 | CCNE96 | Cyclin E96 |
| CCNE97 | Cyclin E97 | CCNE97 | Cyclin E97 |
| CCNE98 | Cyclin E98 | CCNE98 | Cyclin E98 |
| CCNE99 | Cyclin E99 | CCNE99 | Cyclin E99 |
| CCNE100 | Cyclin E100 | CCNE100 | Cyclin E100 |

Supplementary Table 2: Cyclin D2 Differentially-expressed Genes

| Gene Symbol | Gene Name | Gene Symbol | Gene Name |
|-------------|-------------|-------------|-------------|
| CCND2 | Cyclin D2 | CCND2 | Cyclin D2 |
| CCND1 | Cyclin D1 | CCND1 | Cyclin D1 |
| CCND3 | Cyclin D3 | CCND3 | Cyclin D3 |
| CCND4 | Cyclin D4 | CCND4 | Cyclin D4 |
| CCND5 | Cyclin D5 | CCND5 | Cyclin D5 |
| CCND6 | Cyclin D6 | CCND6 | Cyclin D6 |
| CCND7 | Cyclin D7 | CCND7 | Cyclin D7 |
| CCND8 | Cyclin D8 | CCND8 | Cyclin D8 |
| CCND9 | Cyclin D9 | CCND9 | Cyclin D9 |
| CCND10 | Cyclin D10 | CCND10 | Cyclin D10 |
| CCND11 | Cyclin D11 | CCND11 | Cyclin D11 |
| CCND12 | Cyclin D12 | CCND12 | Cyclin D12 |
| CCND13 | Cyclin D13 | CCND13 | Cyclin D13 |
| CCND14 | Cyclin D14 | CCND14 | Cyclin D14 |
| CCND15 | Cyclin D15 | CCND15 | Cyclin D15 |
| CCND16 | Cyclin D16 | CCND16 | Cyclin D16 |
| CCND17 | Cyclin D17 | CCND17 | Cyclin D17 |
| CCND18 | Cyclin D18 | CCND18 | Cyclin D18 |
| CCND19 | Cyclin D19 | CCND19 | Cyclin D19 |
| CCND20 | Cyclin D20 | CCND20 | Cyclin D20 |
| CCND21 | Cyclin D21 | CCND21 | Cyclin D21 |
| CCND22 | Cyclin D22 | CCND22 | Cyclin D22 |
| CCND23 | Cyclin D23 | CCND23 | Cyclin D23 |
| CCND24 | Cyclin D24 | CCND24 | Cyclin D24 |
| CCND25 | Cyclin D25 | CCND25 | Cyclin D25 |
| CCND26 | Cyclin D26 | CCND26 | Cyclin D26 |
| CCND27 | Cyclin D27 | CCND27 | Cyclin D27 |
| CCND28 | Cyclin D28 | CCND28 | Cyclin D28 |
| CCND29 | Cyclin D29 | CCND29 | Cyclin D29 |
| CCND30 | Cyclin D30 | CCND30 | Cyclin D30 |
| CCND31 | Cyclin D31 | CCND31 | Cyclin D31 |
| CCND32 | Cyclin D32 | CCND32 | Cyclin D32 |
| CCND33 | Cyclin D33 | CCND33 | Cyclin D33 |
| CCND34 | Cyclin D34 | CCND34 | Cyclin D34 |
| CCND35 | Cyclin D35 | CCND35 | Cyclin D35 |
| CCND36 | Cyclin D36 | CCND36 | Cyclin D36 |
| CCND37 | Cyclin D37 | CCND37 | Cyclin D37 |
| CCND38 | Cyclin D38 | CCND38 | Cyclin D38 |
| CCND39 | Cyclin D39 | CCND39 | Cyclin D39 |
| CCND40 | Cyclin D40 | CCND40 | Cyclin D40 |
| CCND41 | Cyclin D41 | CCND41 | Cyclin D41 |
| CCND42 | Cyclin D42 | CCND42 | Cyclin D42 |
| CCND43 | Cyclin D43 | CCND43 | Cyclin D43 |
| CCND44 | Cyclin D44 | CCND44 | Cyclin D44 |
| CCND45 | Cyclin D45 | CCND45 | Cyclin D45 |
| CCND46 | Cyclin D46 | CCND46 | Cyclin D46 |
| CCND47 | Cyclin D47 | CCND47 | Cyclin D47 |
| CCND48 | Cyclin D48 | CCND48 | Cyclin D48 |
| CCND49 | Cyclin D49 | CCND49 | Cyclin D49 |
| CCND50 | Cyclin D50 | CCND50 | Cyclin D50 |
| CCND51 | Cyclin D51 | CCND51 | Cyclin D51 |
| CCND52 | Cyclin D52 | CCND52 | Cyclin D52 |
| CCND53 | Cyclin D53 | CCND53 | Cyclin D53 |
| CCND54 | Cyclin D54 | CCND54 | Cyclin D54 |
| CCND55 | Cyclin D55 | CCND55 | Cyclin D55 |
| CCND56 | Cyclin D56 | CCND56 | Cyclin D56 |
| CCND57 | Cyclin D57 | CCND57 | Cyclin D57 |
| CCND58 | Cyclin D58 | CCND58 | Cyclin D58 |
| CCND59 | Cyclin D59 | CCND59 | Cyclin D59 |
| CCND60 | Cyclin D60 | CCND60 | Cyclin D60 |
| CCND61 | Cyclin D61 | CCND61 | Cyclin D61 |
| CCND62 | Cyclin D62 | CCND62 | Cyclin D62 |
| CCND63 | Cyclin D63 | CCND63 | Cyclin D63 |
| CCND64 | Cyclin D64 | CCND64 | Cyclin D64 |
| CCND65 | Cyclin D65 | CCND65 | Cyclin D65 |
| CCND66 | Cyclin D66 | CCND66 | Cyclin D66 |
| CCND67 | Cyclin D67 | CCND67 | Cyclin D67 |
| CCND68 | Cyclin D68 | CCND68 | Cyclin D68 |
| CCND69 | Cyclin D69 | CCND69 | Cyclin D69 |
| CCND70 | Cyclin D70 | CCND70 | Cyclin D70 |
| CCND71 | Cyclin D71 | CCND71 | Cyclin D71 |
| CCND72 | Cyclin D72 | CCND72 | Cyclin D72 |
| CCND73 | Cyclin D73 | CCND73 | Cyclin D73 |
| CCND74 | Cyclin D74 | CCND74 | Cyclin D74 |
| CCND75 | Cyclin D75 | CCND75 | Cyclin D75 |
| CCND76 | Cyclin D76 | CCND76 | Cyclin D76 |
| CCND77 | Cyclin D77 | CCND77 | Cyclin D77 |
| CCND78 | Cyclin D78 | CCND78 | Cyclin D78 |
| CCND79 | Cyclin D79 | CCND79 | Cyclin D79 |
| CCND80 | Cyclin D80 | CCND80 | Cyclin D80 |
| CCND81 | Cyclin D81 | CCND81 | Cyclin D81 |
| CCND82 | Cyclin D82 | CCND82 | Cyclin D82 |
| CCND83 | Cyclin D83 | CCND83 | Cyclin D83 |
| CCND84 | Cyclin D84 | CCND84 | Cyclin D84 |
| CCND85 | Cyclin D85 | CCND85 | Cyclin D85 |
| CCND86 | Cyclin D86 | CCND86 | Cyclin D86 |
| CCND87 | Cyclin D87 | CCND87 | Cyclin D87 |
| CCND88 | Cyclin D88 | CCND88 | Cyclin D88 |
| CCND89 | Cyclin D89 | CCND89 | Cyclin D89 |
| CCND90 | Cyclin D90 | CCND90 | Cyclin D90 |
| CCND91 | Cyclin D91 | CCND91 | Cyclin D91 |
| CCND92 | Cyclin D92 | CCND92 | Cyclin D92 |
| CCND93 | Cyclin D93 | CCND93 | Cyclin D93 |
| CCND94 | Cyclin D94 | CCND94 | Cyclin D94 |
| CCND95 | Cyclin D95 | CCND95 | Cyclin D95 |
| CCND96 | Cyclin D96 | CCND96 | Cyclin D96 |
| CCND97 | Cyclin D97 | CCND97 | Cyclin D97 |
| CCND98 | Cyclin D98 | CCND98 | Cyclin D98 |
| CCND99 | Cyclin D99 | CCND99 | Cyclin D99 |
| CCND100 | Cyclin D100 | CCND100 | Cyclin D100 |

Supplementary Table 2: Cyclin D2 Differentially-expressed Genes

| Gene Symbol | Gene Name | Gene Symbol | Gene Name |
|-------------|-------------|-------------|-------------|
| CCND2 | Cyclin D2 | CCND2 | Cyclin D2 |
| CCND1 | Cyclin D1 | CCND1 | Cyclin D1 |
| CCND3 | Cyclin D3 | CCND3 | Cyclin D3 |
| CCND4 | Cyclin D4 | CCND4 | Cyclin D4 |
| CCND5 | Cyclin D5 | CCND5 | Cyclin D5 |
| CCND6 | Cyclin D6 | CCND6 | Cyclin D6 |
| CCND7 | Cyclin D7 | CCND7 | Cyclin D7 |
| CCND8 | Cyclin D8 | CCND8 | Cyclin D8 |
| CCND9 | Cyclin D9 | CCND9 | Cyclin D9 |
| CCND10 | Cyclin D10 | CCND10 | Cyclin D10 |
| CCND11 | Cyclin D11 | CCND11 | Cyclin D11 |
| CCND12 | Cyclin D12 | CCND12 | Cyclin D12 |
| CCND13 | Cyclin D13 | CCND13 | Cyclin D13 |
| CCND14 | Cyclin D14 | CCND14 | Cyclin D14 |
| CCND15 | Cyclin D15 | CCND15 | Cyclin D15 |
| CCND16 | Cyclin D16 | CCND16 | Cyclin D16 |
| CCND17 | Cyclin D17 | CCND17 | Cyclin D17 |
| CCND18 | Cyclin D18 | CCND18 | Cyclin D18 |
| CCND19 | Cyclin D19 | CCND19 | Cyclin D19 |
| CCND20 | Cyclin D20 | CCND20 | Cyclin D20 |
| CCND21 | Cyclin D21 | CCND21 | Cyclin D21 |
| CCND22 | Cyclin D22 | CCND22 | Cyclin D22 |
| CCND23 | Cyclin D23 | CCND23 | Cyclin D23 |
| CCND24 | Cyclin D24 | CCND24 | Cyclin D24 |
| CCND25 | Cyclin D25 | CCND25 | Cyclin D25 |
| CCND26 | Cyclin D26 | CCND26 | Cyclin D26 |
| CCND27 | Cyclin D27 | CCND27 | Cyclin D27 |
| CCND28 | Cyclin D28 | CCND28 | Cyclin D28 |
| CCND29 | Cyclin D29 | CCND29 | Cyclin D29 |
| CCND30 | Cyclin D30 | CCND30 | Cyclin D30 |
| CCND31 | Cyclin D31 | CCND31 | Cyclin D31 |
| CCND32 | Cyclin D32 | CCND32 | Cyclin D32 |
| CCND33 | Cyclin D33 | CCND33 | Cyclin D33 |
| CCND34 | Cyclin D34 | CCND34 | Cyclin D34 |
| CCND35 | Cyclin D35 | CCND35 | Cyclin D35 |
| CCND36 | Cyclin D36 | CCND36 | Cyclin D36 |
| CCND37 | Cyclin D37 | CCND37 | Cyclin D37 |
| CCND38 | Cyclin D38 | CCND38 | Cyclin D38 |
| CCND39 | Cyclin D39 | CCND39 | Cyclin D39 |
| CCND40 | Cyclin D40 | CCND40 | Cyclin D40 |
| CCND41 | Cyclin D41 | CCND41 | Cyclin D41 |
| CCND42 | Cyclin D42 | CCND42 | Cyclin D42 |
| CCND43 | Cyclin D43 | CCND43 | Cyclin D43 |
| CCND44 | Cyclin D44 | CCND44 | Cyclin D44 |
| CCND45 | Cyclin D45 | CCND45 | Cyclin D45 |
| CCND46 | Cyclin D46 | CCND46 | Cyclin D46 |
| CCND47 | Cyclin D47 | CCND47 | Cyclin D47 |
| CCND48 | Cyclin D48 | CCND48 | Cyclin D48 |
| CCND49 | Cyclin D49 | CCND49 | Cyclin D49 |
| CCND50 | Cyclin D50 | CCND50 | Cyclin D50 |
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| CCND52 | Cyclin D52 | CCND52 | Cyclin D52 |
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| CCND61 | Cyclin D61 | CCND61 | Cyclin D61 |
| CCND62 | Cyclin D62 | CCND62 | Cyclin D62 |
| CCND63 | Cyclin D63 | CCND63 | Cyclin D63 |
| CCND64 | Cyclin D64 | CCND64 | Cyclin D64 |
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| CCND67 | Cyclin D67 | CCND67 | Cyclin D67 |
| CCND68 | Cyclin D68 | CCND68 | Cyclin D68 |
| CCND69 | Cyclin D69 | CCND69 | Cyclin D69 |
| CCND70 | Cyclin D70 | CCND70 | Cyclin D70 |
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| CCND72 | Cyclin D72 | CCND72 | Cyclin D72 |
| CCND73 | Cyclin D73 | CCND73 | Cyclin D73 |
| CCND74 | Cyclin D74 | CCND74 | Cyclin D74 |
| CCND75 | Cyclin D75 | CCND75 | Cyclin D75 |
| CCND76 | Cyclin D76 | CCND76 | Cyclin D76 |
| CCND77 | Cyclin D77 | CCND77 | Cyclin D77 |
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| CCND80 | Cyclin D80 | CCND80 | Cyclin D80 |
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| CCND82 | Cyclin D82 | CCND82 | Cyclin D82 |
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| CCND85 | Cyclin D85 | CCND85 | Cyclin D85 |
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| CCND88 | Cyclin D88 | CCND88 | Cyclin D88 |
| CCND89 | Cyclin D89 | CCND89 | Cyclin D89 |
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| CCND91 | Cyclin D91 | CCND91 | Cyclin D91 |
| CCND92 | Cyclin D92 | CCND92 | Cyclin D92 |
| CCND93 | Cyclin D93 | CCND93 | Cyclin D93 |
| CCND94 | Cyclin D94 | CCND94 | Cyclin D94 |
| CCND95 | Cyclin D95 | CCND95 | Cyclin D95 |
| CCND96 | Cyclin D96 | CCND96 | Cyclin D96 |
| CCND97 | Cyclin D97 | CCND97 | Cyclin D97 |
| CCND98 | Cyclin D98 | CCND98 | Cyclin D98 |
| CCND99 | Cyclin D99 | CCND99 | Cyclin D99 |
| CCND100 | Cyclin D100 | CCND100 | Cyclin D100 |

Supplementary Table 2: Cyclin D2 Differentially-expressed Genes

| Gene Symbol | Gene Name | Gene Symbol | Gene Name |
|-------------|-------------|-------------|-------------|
| CCND2 | Cyclin D2 | CCND2 | Cyclin D2 |
| CCND1 | Cyclin D1 | CCND1 | Cyclin D1 |
| CCNE1 | Cyclin E1 | CCNE1 | Cyclin E1 |
| CCNE2 | Cyclin E2 | CCNE2 | Cyclin E2 |
| CCNB1 | Cyclin B1 | CCNB1 | Cyclin B1 |
| CCNB2 | Cyclin B2 | CCNB2 | Cyclin B2 |
| CCNB3 | Cyclin B3 | CCNB3 | Cyclin B3 |
| CCNB4 | Cyclin B4 | CCNB4 | Cyclin B4 |
| CCNB5 | Cyclin B5 | CCNB5 | Cyclin B5 |
| CCNB6 | Cyclin B6 | CCNB6 | Cyclin B6 |
| CCNB7 | Cyclin B7 | CCNB7 | Cyclin B7 |
| CCNB8 | Cyclin B8 | CCNB8 | Cyclin B8 |
| CCNB9 | Cyclin B9 | CCNB9 | Cyclin B9 |
| CCNB10 | Cyclin B10 | CCNB10 | Cyclin B10 |
| CCNB11 | Cyclin B11 | CCNB11 | Cyclin B11 |
| CCNB12 | Cyclin B12 | CCNB12 | Cyclin B12 |
| CCNB13 | Cyclin B13 | CCNB13 | Cyclin B13 |
| CCNB14 | Cyclin B14 | CCNB14 | Cyclin B14 |
| CCNB15 | Cyclin B15 | CCNB15 | Cyclin B15 |
| CCNB16 | Cyclin B16 | CCNB16 | Cyclin B16 |
| CCNB17 | Cyclin B17 | CCNB17 | Cyclin B17 |
| CCNB18 | Cyclin B18 | CCNB18 | Cyclin B18 |
| CCNB19 | Cyclin B19 | CCNB19 | Cyclin B19 |
| CCNB20 | Cyclin B20 | CCNB20 | Cyclin B20 |
| CCNB21 | Cyclin B21 | CCNB21 | Cyclin B21 |
| CCNB22 | Cyclin B22 | CCNB22 | Cyclin B22 |
| CCNB23 | Cyclin B23 | CCNB23 | Cyclin B23 |
| CCNB24 | Cyclin B24 | CCNB24 | Cyclin B24 |
| CCNB25 | Cyclin B25 | CCNB25 | Cyclin B25 |
| CCNB26 | Cyclin B26 | CCNB26 | Cyclin B26 |
| CCNB27 | Cyclin B27 | CCNB27 | Cyclin B27 |
| CCNB28 | Cyclin B28 | CCNB28 | Cyclin B28 |
| CCNB29 | Cyclin B29 | CCNB29 | Cyclin B29 |
| CCNB30 | Cyclin B30 | CCNB30 | Cyclin B30 |
| CCNB31 | Cyclin B31 | CCNB31 | Cyclin B31 |
| CCNB32 | Cyclin B32 | CCNB32 | Cyclin B32 |
| CCNB33 | Cyclin B33 | CCNB33 | Cyclin B33 |
| CCNB34 | Cyclin B34 | CCNB34 | Cyclin B34 |
| CCNB35 | Cyclin B35 | CCNB35 | Cyclin B35 |
| CCNB36 | Cyclin B36 | CCNB36 | Cyclin B36 |
| CCNB37 | Cyclin B37 | CCNB37 | Cyclin B37 |
| CCNB38 | Cyclin B38 | CCNB38 | Cyclin B38 |
| CCNB39 | Cyclin B39 | CCNB39 | Cyclin B39 |
| CCNB40 | Cyclin B40 | CCNB40 | Cyclin B40 |
| CCNB41 | Cyclin B41 | CCNB41 | Cyclin B41 |
| CCNB42 | Cyclin B42 | CCNB42 | Cyclin B42 |
| CCNB43 | Cyclin B43 | CCNB43 | Cyclin B43 |
| CCNB44 | Cyclin B44 | CCNB44 | Cyclin B44 |
| CCNB45 | Cyclin B45 | CCNB45 | Cyclin B45 |
| CCNB46 | Cyclin B46 | CCNB46 | Cyclin B46 |
| CCNB47 | Cyclin B47 | CCNB47 | Cyclin B47 |
| CCNB48 | Cyclin B48 | CCNB48 | Cyclin B48 |
| CCNB49 | Cyclin B49 | CCNB49 | Cyclin B49 |
| CCNB50 | Cyclin B50 | CCNB50 | Cyclin B50 |
| CCNB51 | Cyclin B51 | CCNB51 | Cyclin B51 |
| CCNB52 | Cyclin B52 | CCNB52 | Cyclin B52 |
| CCNB53 | Cyclin B53 | CCNB53 | Cyclin B53 |
| CCNB54 | Cyclin B54 | CCNB54 | Cyclin B54 |
| CCNB55 | Cyclin B55 | CCNB55 | Cyclin B55 |
| CCNB56 | Cyclin B56 | CCNB56 | Cyclin B56 |
| CCNB57 | Cyclin B57 | CCNB57 | Cyclin B57 |
| CCNB58 | Cyclin B58 | CCNB58 | Cyclin B58 |
| CCNB59 | Cyclin B59 | CCNB59 | Cyclin B59 |
| CCNB60 | Cyclin B60 | CCNB60 | Cyclin B60 |
| CCNB61 | Cyclin B61 | CCNB61 | Cyclin B61 |
| CCNB62 | Cyclin B62 | CCNB62 | Cyclin B62 |
| CCNB63 | Cyclin B63 | CCNB63 | Cyclin B63 |
| CCNB64 | Cyclin B64 | CCNB64 | Cyclin B64 |
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| CCNB66 | Cyclin B66 | CCNB66 | Cyclin B66 |
| CCNB67 | Cyclin B67 | CCNB67 | Cyclin B67 |
| CCNB68 | Cyclin B68 | CCNB68 | Cyclin B68 |
| CCNB69 | Cyclin B69 | CCNB69 | Cyclin B69 |
| CCNB70 | Cyclin B70 | CCNB70 | Cyclin B70 |
| CCNB71 | Cyclin B71 | CCNB71 | Cyclin B71 |
| CCNB72 | Cyclin B72 | CCNB72 | Cyclin B72 |
| CCNB73 | Cyclin B73 | CCNB73 | Cyclin B73 |
| CCNB74 | Cyclin B74 | CCNB74 | Cyclin B74 |
| CCNB75 | Cyclin B75 | CCNB75 | Cyclin B75 |
| CCNB76 | Cyclin B76 | CCNB76 | Cyclin B76 |
| CCNB77 | Cyclin B77 | CCNB77 | Cyclin B77 |
| CCNB78 | Cyclin B78 | CCNB78 | Cyclin B78 |
| CCNB79 | Cyclin B79 | CCNB79 | Cyclin B79 |
| CCNB80 | Cyclin B80 | CCNB80 | Cyclin B80 |
| CCNB81 | Cyclin B81 | CCNB81 | Cyclin B81 |
| CCNB82 | Cyclin B82 | CCNB82 | Cyclin B82 |
| CCNB83 | Cyclin B83 | CCNB83 | Cyclin B83 |
| CCNB84 | Cyclin B84 | CCNB84 | Cyclin B84 |
| CCNB85 | Cyclin B85 | CCNB85 | Cyclin B85 |
| CCNB86 | Cyclin B86 | CCNB86 | Cyclin B86 |
| CCNB87 | Cyclin B87 | CCNB87 | Cyclin B87 |
| CCNB88 | Cyclin B88 | CCNB88 | Cyclin B88 |
| CCNB89 | Cyclin B89 | CCNB89 | Cyclin B89 |
| CCNB90 | Cyclin B90 | CCNB90 | Cyclin B90 |
| CCNB91 | Cyclin B91 | CCNB91 | Cyclin B91 |
| CCNB92 | Cyclin B92 | CCNB92 | Cyclin B92 |
| CCNB93 | Cyclin B93 | CCNB93 | Cyclin B93 |
| CCNB94 | Cyclin B94 | CCNB94 | Cyclin B94 |
| CCNB95 | Cyclin B95 | CCNB95 | Cyclin B95 |
| CCNB96 | Cyclin B96 | CCNB96 | Cyclin B96 |
| CCNB97 | Cyclin B97 | CCNB97 | Cyclin B97 |
| CCNB98 | Cyclin B98 | CCNB98 | Cyclin B98 |
| CCNB99 | Cyclin B99 | CCNB99 | Cyclin B99 |
| CCNB100 | Cyclin B100 | CCNB100 | Cyclin B100 |

Supplementary Table 2: Cyclin D2 Differentially-expressed Genes

| Gene Symbol | Gene Name | Gene Symbol | Gene Name |
|-------------|-------------|-------------|-------------|
| CCND2 | Cyclin D2 | CCND2 | Cyclin D2 |
| CCND1 | Cyclin D1 | CCND1 | Cyclin D1 |
| CCNE1 | Cyclin E1 | CCNE1 | Cyclin E1 |
| CCNE2 | Cyclin E2 | CCNE2 | Cyclin E2 |
| CCNE3 | Cyclin E3 | CCNE3 | Cyclin E3 |
| CCNE4 | Cyclin E4 | CCNE4 | Cyclin E4 |
| CCNE5 | Cyclin E5 | CCNE5 | Cyclin E5 |
| CCNE6 | Cyclin E6 | CCNE6 | Cyclin E6 |
| CCNE7 | Cyclin E7 | CCNE7 | Cyclin E7 |
| CCNE8 | Cyclin E8 | CCNE8 | Cyclin E8 |
| CCNE9 | Cyclin E9 | CCNE9 | Cyclin E9 |
| CCNE10 | Cyclin E10 | CCNE10 | Cyclin E10 |
| CCNE11 | Cyclin E11 | CCNE11 | Cyclin E11 |
| CCNE12 | Cyclin E12 | CCNE12 | Cyclin E12 |
| CCNE13 | Cyclin E13 | CCNE13 | Cyclin E13 |
| CCNE14 | Cyclin E14 | CCNE14 | Cyclin E14 |
| CCNE15 | Cyclin E15 | CCNE15 | Cyclin E15 |
| CCNE16 | Cyclin E16 | CCNE16 | Cyclin E16 |
| CCNE17 | Cyclin E17 | CCNE17 | Cyclin E17 |
| CCNE18 | Cyclin E18 | CCNE18 | Cyclin E18 |
| CCNE19 | Cyclin E19 | CCNE19 | Cyclin E19 |
| CCNE20 | Cyclin E20 | CCNE20 | Cyclin E20 |
| CCNE21 | Cyclin E21 | CCNE21 | Cyclin E21 |
| CCNE22 | Cyclin E22 | CCNE22 | Cyclin E22 |
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| CCNE24 | Cyclin E24 | CCNE24 | Cyclin E24 |
| CCNE25 | Cyclin E25 | CCNE25 | Cyclin E25 |
| CCNE26 | Cyclin E26 | CCNE26 | Cyclin E26 |
| CCNE27 | Cyclin E27 | CCNE27 | Cyclin E27 |
| CCNE28 | Cyclin E28 | CCNE28 | Cyclin E28 |
| CCNE29 | Cyclin E29 | CCNE29 | Cyclin E29 |
| CCNE30 | Cyclin E30 | CCNE30 | Cyclin E30 |
| CCNE31 | Cyclin E31 | CCNE31 | Cyclin E31 |
| CCNE32 | Cyclin E32 | CCNE32 | Cyclin E32 |
| CCNE33 | Cyclin E33 | CCNE33 | Cyclin E33 |
| CCNE34 | Cyclin E34 | CCNE34 | Cyclin E34 |
| CCNE35 | Cyclin E35 | CCNE35 | Cyclin E35 |
| CCNE36 | Cyclin E36 | CCNE36 | Cyclin E36 |
| CCNE37 | Cyclin E37 | CCNE37 | Cyclin E37 |
| CCNE38 | Cyclin E38 | CCNE38 | Cyclin E38 |
| CCNE39 | Cyclin E39 | CCNE39 | Cyclin E39 |
| CCNE40 | Cyclin E40 | CCNE40 | Cyclin E40 |
| CCNE41 | Cyclin E41 | CCNE41 | Cyclin E41 |
| CCNE42 | Cyclin E42 | CCNE42 | Cyclin E42 |
| CCNE43 | Cyclin E43 | CCNE43 | Cyclin E43 |
| CCNE44 | Cyclin E44 | CCNE44 | Cyclin E44 |
| CCNE45 | Cyclin E45 | CCNE45 | Cyclin E45 |
| CCNE46 | Cyclin E46 | CCNE46 | Cyclin E46 |
| CCNE47 | Cyclin E47 | CCNE47 | Cyclin E47 |
| CCNE48 | Cyclin E48 | CCNE48 | Cyclin E48 |
| CCNE49 | Cyclin E49 | CCNE49 | Cyclin E49 |
| CCNE50 | Cyclin E50 | CCNE50 | Cyclin E50 |
| CCNE51 | Cyclin E51 | CCNE51 | Cyclin E51 |
| CCNE52 | Cyclin E52 | CCNE52 | Cyclin E52 |
| CCNE53 | Cyclin E53 | CCNE53 | Cyclin E53 |
| CCNE54 | Cyclin E54 | CCNE54 | Cyclin E54 |
| CCNE55 | Cyclin E55 | CCNE55 | Cyclin E55 |
| CCNE56 | Cyclin E56 | CCNE56 | Cyclin E56 |
| CCNE57 | Cyclin E57 | CCNE57 | Cyclin E57 |
| CCNE58 | Cyclin E58 | CCNE58 | Cyclin E58 |
| CCNE59 | Cyclin E59 | CCNE59 | Cyclin E59 |
| CCNE60 | Cyclin E60 | CCNE60 | Cyclin E60 |
| CCNE61 | Cyclin E61 | CCNE61 | Cyclin E61 |
| CCNE62 | Cyclin E62 | CCNE62 | Cyclin E62 |
| CCNE63 | Cyclin E63 | CCNE63 | Cyclin E63 |
| CCNE64 | Cyclin E64 | CCNE64 | Cyclin E64 |
| CCNE65 | Cyclin E65 | CCNE65 | Cyclin E65 |
| CCNE66 | Cyclin E66 | CCNE66 | Cyclin E66 |
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| CCNE68 | Cyclin E68 | CCNE68 | Cyclin E68 |
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| CCNE70 | Cyclin E70 | CCNE70 | Cyclin E70 |
| CCNE71 | Cyclin E71 | CCNE71 | Cyclin E71 |
| CCNE72 | Cyclin E72 | CCNE72 | Cyclin E72 |
| CCNE73 | Cyclin E73 | CCNE73 | Cyclin E73 |
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| CCNE77 | Cyclin E77 | CCNE77 | Cyclin E77 |
| CCNE78 | Cyclin E78 | CCNE78 | Cyclin E78 |
| CCNE79 | Cyclin E79 | CCNE79 | Cyclin E79 |
| CCNE80 | Cyclin E80 | CCNE80 | Cyclin E80 |
| CCNE81 | Cyclin E81 | CCNE81 | Cyclin E81 |
| CCNE82 | Cyclin E82 | CCNE82 | Cyclin E82 |
| CCNE83 | Cyclin E83 | CCNE83 | Cyclin E83 |
| CCNE84 | Cyclin E84 | CCNE84 | Cyclin E84 |
| CCNE85 | Cyclin E85 | CCNE85 | Cyclin E85 |
| CCNE86 | Cyclin E86 | CCNE86 | Cyclin E86 |
| CCNE87 | Cyclin E87 | CCNE87 | Cyclin E87 |
| CCNE88 | Cyclin E88 | CCNE88 | Cyclin E88 |
| CCNE89 | Cyclin E89 | CCNE89 | Cyclin E89 |
| CCNE90 | Cyclin E90 | CCNE90 | Cyclin E90 |
| CCNE91 | Cyclin E91 | CCNE91 | Cyclin E91 |
| CCNE92 | Cyclin E92 | CCNE92 | Cyclin E92 |
| CCNE93 | Cyclin E93 | CCNE93 | Cyclin E93 |
| CCNE94 | Cyclin E94 | CCNE94 | Cyclin E94 |
| CCNE95 | Cyclin E95 | CCNE95 | Cyclin E95 |
| CCNE96 | Cyclin E96 | CCNE96 | Cyclin E96 |
| CCNE97 | Cyclin E97 | CCNE97 | Cyclin E97 |
| CCNE98 | Cyclin E98 | CCNE98 | Cyclin E98 |
| CCNE99 | Cyclin E99 | CCNE99 | Cyclin E99 |
| CCNE100 | Cyclin E100 | CCNE100 | Cyclin E100 |

Supplementary Table 2: Cyclin D2 Differentially-expressed Genes

| Gene Symbol | Gene Name | Gene Symbol | Gene Name |
|-------------|-------------|-------------|-------------|
| CCND2 | Cyclin D2 | CCND2 | Cyclin D2 |
| CCND1 | Cyclin D1 | CCND1 | Cyclin D1 |
| CCND3 | Cyclin D3 | CCND3 | Cyclin D3 |
| CCND4 | Cyclin D4 | CCND4 | Cyclin D4 |
| CCND5 | Cyclin D5 | CCND5 | Cyclin D5 |
| CCND6 | Cyclin D6 | CCND6 | Cyclin D6 |
| CCND7 | Cyclin D7 | CCND7 | Cyclin D7 |
| CCND8 | Cyclin D8 | CCND8 | Cyclin D8 |
| CCND9 | Cyclin D9 | CCND9 | Cyclin D9 |
| CCND10 | Cyclin D10 | CCND10 | Cyclin D10 |
| CCND11 | Cyclin D11 | CCND11 | Cyclin D11 |
| CCND12 | Cyclin D12 | CCND12 | Cyclin D12 |
| CCND13 | Cyclin D13 | CCND13 | Cyclin D13 |
| CCND14 | Cyclin D14 | CCND14 | Cyclin D14 |
| CCND15 | Cyclin D15 | CCND15 | Cyclin D15 |
| CCND16 | Cyclin D16 | CCND16 | Cyclin D16 |
| CCND17 | Cyclin D17 | CCND17 | Cyclin D17 |
| CCND18 | Cyclin D18 | CCND18 | Cyclin D18 |
| CCND19 | Cyclin D19 | CCND19 | Cyclin D19 |
| CCND20 | Cyclin D20 | CCND20 | Cyclin D20 |
| CCND21 | Cyclin D21 | CCND21 | Cyclin D21 |
| CCND22 | Cyclin D22 | CCND22 | Cyclin D22 |
| CCND23 | Cyclin D23 | CCND23 | Cyclin D23 |
| CCND24 | Cyclin D24 | CCND24 | Cyclin D24 |
| CCND25 | Cyclin D25 | CCND25 | Cyclin D25 |
| CCND26 | Cyclin D26 | CCND26 | Cyclin D26 |
| CCND27 | Cyclin D27 | CCND27 | Cyclin D27 |
| CCND28 | Cyclin D28 | CCND28 | Cyclin D28 |
| CCND29 | Cyclin D29 | CCND29 | Cyclin D29 |
| CCND30 | Cyclin D30 | CCND30 | Cyclin D30 |
| CCND31 | Cyclin D31 | CCND31 | Cyclin D31 |
| CCND32 | Cyclin D32 | CCND32 | Cyclin D32 |
| CCND33 | Cyclin D33 | CCND33 | Cyclin D33 |
| CCND34 | Cyclin D34 | CCND34 | Cyclin D34 |
| CCND35 | Cyclin D35 | CCND35 | Cyclin D35 |
| CCND36 | Cyclin D36 | CCND36 | Cyclin D36 |
| CCND37 | Cyclin D37 | CCND37 | Cyclin D37 |
| CCND38 | Cyclin D38 | CCND38 | Cyclin D38 |
| CCND39 | Cyclin D39 | CCND39 | Cyclin D39 |
| CCND40 | Cyclin D40 | CCND40 | Cyclin D40 |
| CCND41 | Cyclin D41 | CCND41 | Cyclin D41 |
| CCND42 | Cyclin D42 | CCND42 | Cyclin D42 |
| CCND43 | Cyclin D43 | CCND43 | Cyclin D43 |
| CCND44 | Cyclin D44 | CCND44 | Cyclin D44 |
| CCND45 | Cyclin D45 | CCND45 | Cyclin D45 |
| CCND46 | Cyclin D46 | CCND46 | Cyclin D46 |
| CCND47 | Cyclin D47 | CCND47 | Cyclin D47 |
| CCND48 | Cyclin D48 | CCND48 | Cyclin D48 |
| CCND49 | Cyclin D49 | CCND49 | Cyclin D49 |
| CCND50 | Cyclin D50 | CCND50 | Cyclin D50 |
| CCND51 | Cyclin D51 | CCND51 | Cyclin D51 |
| CCND52 | Cyclin D52 | CCND52 | Cyclin D52 |
| CCND53 | Cyclin D53 | CCND53 | Cyclin D53 |
| CCND54 | Cyclin D54 | CCND54 | Cyclin D54 |
| CCND55 | Cyclin D55 | CCND55 | Cyclin D55 |
| CCND56 | Cyclin D56 | CCND56 | Cyclin D56 |
| CCND57 | Cyclin D57 | CCND57 | Cyclin D57 |
| CCND58 | Cyclin D58 | CCND58 | Cyclin D58 |
| CCND59 | Cyclin D59 | CCND59 | Cyclin D59 |
| CCND60 | Cyclin D60 | CCND60 | Cyclin D60 |
| CCND61 | Cyclin D61 | CCND61 | Cyclin D61 |
| CCND62 | Cyclin D62 | CCND62 | Cyclin D62 |
| CCND63 | Cyclin D63 | CCND63 | Cyclin D63 |
| CCND64 | Cyclin D64 | CCND64 | Cyclin D64 |
| CCND65 | Cyclin D65 | CCND65 | Cyclin D65 |
| CCND66 | Cyclin D66 | CCND66 | Cyclin D66 |
| CCND67 | Cyclin D67 | CCND67 | Cyclin D67 |
| CCND68 | Cyclin D68 | CCND68 | Cyclin D68 |
| CCND69 | Cyclin D69 | CCND69 | Cyclin D69 |
| CCND70 | Cyclin D70 | CCND70 | Cyclin D70 |
| CCND71 | Cyclin D71 | CCND71 | Cyclin D71 |
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| CCND73 | Cyclin D73 | CCND73 | Cyclin D73 |
| CCND74 | Cyclin D74 | CCND74 | Cyclin D74 |
| CCND75 | Cyclin D75 | CCND75 | Cyclin D75 |
| CCND76 | Cyclin D76 | CCND76 | Cyclin D76 |
| CCND77 | Cyclin D77 | CCND77 | Cyclin D77 |
| CCND78 | Cyclin D78 | CCND78 | Cyclin D78 |
| CCND79 | Cyclin D79 | CCND79 | Cyclin D79 |
| CCND80 | Cyclin D80 | CCND80 | Cyclin D80 |
| CCND81 | Cyclin D81 | CCND81 | Cyclin D81 |
| CCND82 | Cyclin D82 | CCND82 | Cyclin D82 |
| CCND83 | Cyclin D83 | CCND83 | Cyclin D83 |
| CCND84 | Cyclin D84 | CCND84 | Cyclin D84 |
| CCND85 | Cyclin D85 | CCND85 | Cyclin D85 |
| CCND86 | Cyclin D86 | CCND86 | Cyclin D86 |
| CCND87 | Cyclin D87 | CCND87 | Cyclin D87 |
| CCND88 | Cyclin D88 | CCND88 | Cyclin D88 |
| CCND89 | Cyclin D89 | CCND89 | Cyclin D89 |
| CCND90 | Cyclin D90 | CCND90 | Cyclin D90 |
| CCND91 | Cyclin D91 | CCND91 | Cyclin D91 |
| CCND92 | Cyclin D92 | CCND92 | Cyclin D92 |
| CCND93 | Cyclin D93 | CCND93 | Cyclin D93 |
| CCND94 | Cyclin D94 | CCND94 | Cyclin D94 |
| CCND95 | Cyclin D95 | CCND95 | Cyclin D95 |
| CCND96 | Cyclin D96 | CCND96 | Cyclin D96 |
| CCND97 | Cyclin D97 | CCND97 | Cyclin D97 |
| CCND98 | Cyclin D98 | CCND98 | Cyclin D98 |
| CCND99 | Cyclin D99 | CCND99 | Cyclin D99 |
| CCND100 | Cyclin D100 | CCND100 | Cyclin D100 |

Supplementary Table 2: Cyclin D2 Differentially-expressed Genes

| Gene Symbol | Gene Name | Gene Symbol | Gene Name |
|-------------|-------------|-------------|-------------|
| CCND2 | Cyclin D2 | CCND2 | Cyclin D2 |
| CCND1 | Cyclin D1 | CCND1 | Cyclin D1 |
| CCNE1 | Cyclin E1 | CCNE1 | Cyclin E1 |
| CCNE2 | Cyclin E2 | CCNE2 | Cyclin E2 |
| CCNE3 | Cyclin E3 | CCNE3 | Cyclin E3 |
| CCNE4 | Cyclin E4 | CCNE4 | Cyclin E4 |
| CCNE5 | Cyclin E5 | CCNE5 | Cyclin E5 |
| CCNE6 | Cyclin E6 | CCNE6 | Cyclin E6 |
| CCNE7 | Cyclin E7 | CCNE7 | Cyclin E7 |
| CCNE8 | Cyclin E8 | CCNE8 | Cyclin E8 |
| CCNE9 | Cyclin E9 | CCNE9 | Cyclin E9 |
| CCNE10 | Cyclin E10 | CCNE10 | Cyclin E10 |
| CCNE11 | Cyclin E11 | CCNE11 | Cyclin E11 |
| CCNE12 | Cyclin E12 | CCNE12 | Cyclin E12 |
| CCNE13 | Cyclin E13 | CCNE13 | Cyclin E13 |
| CCNE14 | Cyclin E14 | CCNE14 | Cyclin E14 |
| CCNE15 | Cyclin E15 | CCNE15 | Cyclin E15 |
| CCNE16 | Cyclin E16 | CCNE16 | Cyclin E16 |
| CCNE17 | Cyclin E17 | CCNE17 | Cyclin E17 |
| CCNE18 | Cyclin E18 | CCNE18 | Cyclin E18 |
| CCNE19 | Cyclin E19 | CCNE19 | Cyclin E19 |
| CCNE20 | Cyclin E20 | CCNE20 | Cyclin E20 |
| CCNE21 | Cyclin E21 | CCNE21 | Cyclin E21 |
| CCNE22 | Cyclin E22 | CCNE22 | Cyclin E22 |
| CCNE23 | Cyclin E23 | CCNE23 | Cyclin E23 |
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| CCNE30 | Cyclin E30 | CCNE30 | Cyclin E30 |
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| CCNE32 | Cyclin E32 | CCNE32 | Cyclin E32 |
| CCNE33 | Cyclin E33 | CCNE33 | Cyclin E33 |
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| CCNE35 | Cyclin E35 | CCNE35 | Cyclin E35 |
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| CCNE37 | Cyclin E37 | CCNE37 | Cyclin E37 |
| CCNE38 | Cyclin E38 | CCNE38 | Cyclin E38 |
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| CCNE40 | Cyclin E40 | CCNE40 | Cyclin E40 |
| CCNE41 | Cyclin E41 | CCNE41 | Cyclin E41 |
| CCNE42 | Cyclin E42 | CCNE42 | Cyclin E42 |
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| CCNE44 | Cyclin E44 | CCNE44 | Cyclin E44 |
| CCNE45 | Cyclin E45 | CCNE45 | Cyclin E45 |
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| CCNE96 | Cyclin E96 | CCNE96 | Cyclin E96 |
| CCNE97 | Cyclin E97 | CCNE97 | Cyclin E97 |
| CCNE98 | Cyclin E98 | CCNE98 | Cyclin E98 |
| CCNE99 | Cyclin E99 | CCNE99 | Cyclin E99 |
| CCNE100 | Cyclin E100 | CCNE100 | Cyclin E100 |

Supplementary Table 2: Cyclin D2 Differentially-expressed Genes

| Gene Symbol | Gene Name | Gene Symbol | Gene Name |
|-------------|-------------|-------------|-------------|
| CCND2 | Cyclin D2 | CCND2 | Cyclin D2 |
| CCND1 | Cyclin D1 | CCND1 | Cyclin D1 |
| CCNE1 | Cyclin E1 | CCNE1 | Cyclin E1 |
| CCNE2 | Cyclin E2 | CCNE2 | Cyclin E2 |
| CCNE3 | Cyclin E3 | CCNE3 | Cyclin E3 |
| CCNE4 | Cyclin E4 | CCNE4 | Cyclin E4 |
| CCNE5 | Cyclin E5 | CCNE5 | Cyclin E5 |
| CCNE6 | Cyclin E6 | CCNE6 | Cyclin E6 |
| CCNE7 | Cyclin E7 | CCNE7 | Cyclin E7 |
| CCNE8 | Cyclin E8 | CCNE8 | Cyclin E8 |
| CCNE9 | Cyclin E9 | CCNE9 | Cyclin E9 |
| CCNE10 | Cyclin E10 | CCNE10 | Cyclin E10 |
| CCNE11 | Cyclin E11 | CCNE11 | Cyclin E11 |
| CCNE12 | Cyclin E12 | CCNE12 | Cyclin E12 |
| CCNE13 | Cyclin E13 | CCNE13 | Cyclin E13 |
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