# Contents

# Microarray genelists

**1. - Genes upregulated by iFGFR1**

| Affymetrix probe set | GenBank Accession | Gene Symbol | Fold change |
|---|---|---|---|
| Xl.736.1.S1_at | AF310008 | TA-2 | 19.12 |
| Xl.23988.1.S1_at | BJ044287 | Rexp44 mRNA | 14.34 |
| Xl.4965.1.S1_at | AJ278067 | irg1 | 6.99 |
| Xl.24294.1.S1_at | BJ098811 | Cico01 mRNA | 6.61 |
| Xl.24793.1.S1_at | CB563927 | tspan1 | 6.47 |
| Xl.24337.1.A1_at | CB564601 | Predicted NADPH oxidase 1-like | 4.39 |
| Xl.8124.1.S1_at | BJ045090 | MGC115642 | 4.32 |
| Xl.637.1.A1_at | AF250345 | egr1-a | 3.81 |
| Xl.9671.1.S1_at | BC042349 | capn8-a | 3.64 |
| Xl.14397.1.S2_at | BC044326 | nek6 | 2.78 |
| Xl.16457.1.A1_at | CB563787 | junb | 2.73 |
| Xl.4789.1.S1_at | BC043748 | MGC52875 | 2.72 |
| Xl.10415.1.A1_at | BF024850 | MGC80142 | 2.66 |
| Xl.24218.1.S1_at | CB943601 | dynll1-a | 2.60 |
| Xl.23897.1.S1_at | BQ386549 | cnfn-a | 2.58 |
| Xl.9549.1.S1_at | AF374473 | lmo2 | 2.42 |
| Xl.708.1.S1_at | AF283562 | lefty-a | 2.41 |
| Xl.880.1.S1_at | L07538 | wnt3a | 2.37 |
| Xl.5082.1.A1_at | BF072347 | MGC68521 | 2.34 |
| Xl.1044.1.S1_at | AF283563 | lefty-b | 2.32 |
| Xl.12130.1.S1_at | M24752 | hoxa7 | 2.31 |
| Xl.7720.1.A1_at | BF615090 | Meso05 mRNA | 2.20 |
| Xl.10684.1.A1_at | BE505501 | Unknown | 2.17 |
| Xl.16649.1.A1_at | BJ077367 | dlgap4 | 2.15 |
| Xl.22857.1.A1_at | BJ088428 | Predicted Plekho1 | 2.15 |
| Xl.24572.1.S1_a_at | AB003078 | tnnc2 | 2.14 |
| Xl.24608.1.A1_at | CB561182 | lap2omega/tmpo | 2.14 |
| Xl.11965.1.S1_at | AF331825 | LOC398232 | 2.14 |
| Xl.1465.1.S1_at | BC046253 | ido1 | 2.14 |
| Xl.216.2.S1_a_at | Y08734 | mst1 | 2.12 |
| Xl.18073.1.A1_at | BG885063 | Unknown | 2.11 |
| Xl.24205.1.S1_at | BJ086130 | Predicted itga6-like | 2.03 |
| Xl.23718.1.A1_at | BJ075987 | mmp14 | 2.03 |
| Xl.21639.1.S1_at | AJ319749 | hoxa10 | 2.03 |
| Xl.1358.1.S1_at | U04302 | cdx1 | 2.02 |
| Xl.2665.2.A1_at | BM172523 | des.1-b | 2.00 |
| Xl.14334.1.S1_at | BI444166 | Predicted phldb1 | 2.00 |
| Xl.21634.1.S1_at | CA792675 | msx2 | 2.00 |
| Xl.12011.1.A1_at | BG812177 | Predicted fbrsl1 | 1.97 |
| Xl.15701.1.S1_at | AY150813 | kremen2 | 1.96 |
| Xl.1154.1.S1_at | S74933 | crabp2 | 1.94 |

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| Xl.6263.1.S1_at | CB563516 | mylpf | 1.94 |
| Xl.49.1.S1_at | X57234 | wnt8a | 1.93 |
| Xl.37.1.S1_at | X98454 | ventx2.2 | 1.92 |
| Xl.5846.1.S1_at | BC046739 | MGC53823 | 1.91 |
| Xl.11964.1.S2_at | AF369901 | spry2 | 1.91 |
| Xl.16206.1.A1_at | BM172525 | pnp | 1.90 |
| Xl.21864.1.S1_at | AY167741 | hoxc10 | 1.90 |
| Xl.2936.2.S1_x_at | BQ735779 | c8orf42 | 1.89 |
| Xl.15374.1.A1_at | BJ077463 | Rexp91 mRNA | 1.89 |
| Xl.558.1.S1_at | AF149307 | ventx3.2 | 1.89 |
| Xl.1056.2.S1_a_at | AJ009308 | myl1 | 1.88 |
| Xl.22960.2.A1_at | BJ085655 | creb3 | 1.87 |
| Xl.13835.1.S1_at | BC043838 | greb1 | 1.87 |
| Xl.6592.1.A1_at | BE491206 | Predicted laminin subunit | 1.87 |
| Xl.1035.1.S1_at | U17598 | elavl3 | 1.84 |
| Xl.802.1.S1_at | BG016128 | LOC397753 | 1.83 |
| Xl.14402.1.A1_at | BJ082817 | LOC733321 | 1.83 |
| Xl.4725.1.S1_at | AB072909 | cldn4L2 | 1.82 |
| Xl.1055.1.S1_at | CB562934 | MGC53335 | 1.81 |
| Xl.15887.1.S1_x_at | BJ088835 | Predicted mpc2 | 1.81 |
| Xl.7618.2.A1_a_at | BG346681 | plscr1 | 1.81 |
| Xl.1002.1.S1_at | U43223 | dusp6 | 1.81 |
| Xl.23957.1.S1_at | BI313816 | cfd | 1.80 |
| Xl.13621.1.A1_at | BJ087999 | Predicted HoxB8 | 1.78 |
| Xl.10874.1.A1_at | BU907171 | gprc5c | 1.78 |
| Xl.16519.1.A1_at | BI446890 | hoxd3 | 1.77 |
| Xl.4880.2.S1_a_at | CB563123 | sat1-a | 1.76 |
| Xl.8315.1.A1_at | AW147996 | nuak2 | 1.75 |
| Xl.13086.1.A1_at | BF615358 | fam46a | 1.75 |
| Xl.9286.1.S1_at | BC049827 | add1 | 1.74 |
| Xl.868.1.S1_at | L19716 | wnt5a | 1.73 |
| Xl.11165.1.A1_at | AW767805 | Predicted LOC101734664 | 1.73 |
| Xl.9871.1.A1_s_at | BJ053647 | thbs4 | 1.73 |
| Xl.1210.1.S1_at | X06592 | hoxb7-b | 1.73 |
| Xl.26209.1.S1_at | BJ056944 | Predicted LOC419301 | 1.73 |
| Xl.2955.1.A1_at | BJ091076 | Predicted fam181a | 1.71 |
| Xl.209.1.S1_at | AW164925 | Predicted hes6.1 | 1.71 |
| Xl.1073.1.S1_at | L23542 | wnt11b | 1.70 |
| Xl.15165.1.A1_at | BJ077194 | MGC131003 | 1.69 |
| Xl.25941.1.A1_at | BM180508 | tpbg | 1.69 |
| Xl.2466.1.A1_at | BG020193 | traf4b | 1.68 |
| Xl.8010.1.A1_at | AW782315 | Unknown | 1.68 |
| Xl.13344.1.A1_at | BJ050847 | Unknown | 1.68 |
| Xl.10269.1.S1_at | U02034 | cdx4 | 1.67 |
| Xl.25587.1.A1_at | BQ387107 | tmcc1 | 1.66 |

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| Xl.23739.1.A1_at | CB564190 | cdx1 | 1.66 |
| Xl.1202.1.S1_at | CA986862 | gs17 | 1.66 |
| Xl.2244.1.A1_at | BG439336 | Predicted MGC82906 | 1.65 |
| Xl.13343.1.A1_at | BJ089629 | Predicted HoxD9 | 1.65 |
| Xl.1039.1.S1_at | AB037688 | ptch2-b | 1.65 |
| Xl.2235.1.A1_at | BJ082132 | Unknown | 1.65 |
| Xl.15436.1.A1_at | BJ082303 | Predicted lrrfip1 | 1.65 |
| Xl.6113.1.A1_at | AW767973 | Predicted NEDD4-binding protein 3-like | 1.65 |
| Xl.262.1.S1_at | D10259 | dlx6-b | 1.64 |
| Xl.3540.1.S1_at | AF131890 | LOC398134 | 1.63 |
| Xl.13987.1.S1_x_at | BQ731171 | schip1 | 1.62 |
| Xl.644.1.S1_at | AF223426 | foxd5b | 1.62 |
| Xl.25397.1.A1_at | BE026782 | Unknown | 1.62 |
| Xl.11117.1.S1_at | BI445771 | gsto1 | 1.62 |
| Xl.21869.1.S1_at | BC045041 | LOC398437 | 1.61 |
| Xl.23670.1.A1_at | CB563705 | Predicted tspan4 | 1.61 |
| Xl.6155.1.A1_at | BJ052899 | tfap2b | 1.61 |
| Xl.26380.1.A1_at | BJ050459 | cdc42se2-a | 1.61 |
| Xl.15872.2.S1_at | BJ086614 | fbn3 | 1.60 |
| Xl.11057.1.A1_at | AW764507 | itgb1bp2 | 1.60 |
| Xl.642.1.S1_at | AF162782 | foxd4l1.1-a | 1.60 |
| Xl.280.1.S1_at | AF061727 | serpind1 | 1.60 |
| Xl.1265.1.S1_at | BG022051 | pou2f1 | 1.59 |
| Xl.16273.1.A1_at | BJ045836 | hoxc8 | 1.59 |
| Xl.15623.1.A1_at | CB756273 | pfkfb3 | 1.59 |
| Xl.1209.1.S1_at | X12499 | hoxc6 | 1.59 |
| Xl.1491.1.S1_at | D50552 | sox13 | 1.59 |
| Xl.6247.1.S1_at | BC047252 | hyal2-b | 1.58 |
| Xl.2061.1.A1_at | BI443086 | tmem169 | 1.58 |
| Xl.26119.1.A1_at | BJ043617 | gprc5c | 1.58 |
| Xl.17496.1.S1_at | BG347936 | wnt5b | 1.58 |
| Xl.15990.1.A1_at | BJ043686 | tmem69 | 1.57 |
| Xl.803.1.S1_at | M23916 | hoxb7-a | 1.57 |
| Xl.16181.1.A1_at | BJ045364 | fbxl22 | 1.57 |
| Xl.1082.1.S1_at | S93559 | foxa4-b | 1.56 |
| Xl.2507.1.A1_at | BJ078949 | Unknown | 1.56 |
| Xl.862.1.S1_at | L28111 | dio3 | 1.56 |
| Xl.16131.1.S1_at | BJ045564 | nexn | 1.56 |
| Xl.26220.1.A1_at | BJ085819 | MGC84721 | 1.55 |
| Xl.514.1.S1_at | M77243 | t-a | 1.55 |
| Xl.22996.1.S1_at | BC046259 | hapln3 | 1.55 |
| Xl.457.1.S1_at | AF065135 | gdf3 | 1.55 |
| Xl.15270.1.A1_at | BI447679 | Unknown | 1.55 |
| Xl.16035.1.A1_at | BJ081350 | Unknown | 1.54 |

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| Xl.9439.1.S1_at | BC041731 | hoxa3 | 1.54 |
| Xl.1873.1.S1_at | BM179250 | cdh2-a | 1.54 |
| Xl.688.1.S1_at | AF281080 | nkx2-1 | 1.54 |
| Xl.1289.1.S1_at | U40457 | tdgf1 | 1.53 |
| Xl.8165.1.S1_at | CB207508 | tcf12 | 1.53 |
| Xl.25895.1.A1_at | BJ075592 | LOC494785 | 1.53 |
| Xl.1817.1.A1_at | BJ049297 | smyd1 | 1.53 |
| Xl.14231.1.A1_at | BM191311 | st3Gal-II | 1.52 |
| Xl.24158.1.A1_at | CB561731 | c4orf31 | 1.52 |
| Xl.17342.1.A1_at | BJ080764 | Predicted prtg | 1.52 |
| Xl.7766.1.A1_at | BI443123 | Unknown | 1.52 |
| Xl.18908.1.A1_at | BI447750 | stard4 | 1.52 |
| Xl.14733.1.A1_at | BG552346 | insm1 | 1.52 |
| Xl.13019.1.S1_at | BC041294 | rasl11b | 1.51 |
| Xl.16321.1.A1_at | BJ047359 | hes5.2-b | 1.51 |
| Xl.5454.1.S1_at | AF394111 | xmc | 1.51 |
| Xl.6074.1.A1_at | AW767695 | loxl1 | 1.51 |
| Xl.15054.1.S1_at | BC043745 | fbln1 | 1.51 |
| Xl.11405.1.S1_a_at | BC044063 | atp2a2 | 1.50 |
| Xl.7620.1.S1_at | BC045059 | arl5b-b | 1.50 |
| Xl.5940.1.A1_at | AW766423 | Predicted KIF26A-like | 1.50 |

**2 Genes downregulated by iFGFR1**

| Affymetrix probe set | GenBank Accession | Gene name | Fold Change |
|---|---|---|---|
| Xl.25847.1.S1_at | BC052102 | agr2 | -16.43 |
| Xl.6266.1.S1_at | AB105372 | itln1 | -8.74 |
| Xl.2924.1.S1_at | BG023525 | MGC53311 | -8.63 |
| Xl.15702.1.A1_at | BJ076178 | ATPase 13A4-like | -7.36 |
| Xl.1685.1.S1_at | AF314056 | LOC398260 | -7.32 |
| Xl.847.1.S1_s_at | L10987 | otog | -7.14 |
| Xl.7213.2.A1_at | BJ047679 | klhl24 | -6.88 |
| Xl.18858.1.A1_at | BI446930 | Unknown | -6.37 |
| Xl.20089.1.S1_at | BC042303 | foxi1 | -5.88 |
| Xl.909.1.S1_at | AB018694 | xepsin | -5.37 |
| Xl.15894.1.S1_at | CD099356 | ppl | -4.99 |
| Xl.6048.1.S1_at | BJ044577 | fucolectin | -4.72 |
| Xl.10583.1.S1_at | BC042234 | slc3a2 | -4.71 |
| Xl.5324.1.S1_at | BJ043563 | otog | -4.66 |
| Xl.24565.1.A1_at | BG485946 | Unknown | -4.58 |
| Xl.9836.1.A1_at | BJ075817 | liph-a | -4.33 |
| Xl.1589.1.S1_at | AF025474 | agr3 | -4.27 |
| Xl.1616.1.A1_at | BJ083887 | fam115a | -3.94 |
| Xl.16262.1.A1_at | BJ051781 | Unknown | -3.86 |
| Xl.1683.1.S1_at | BJ044640 | MGC68910 | -3.80 |
| Xl.16436.1.A1_at | BJ081297 | Predicted G protein receptor | -3.75 |
| Xl.16543.1.S1_at | AF513854 | Ras dva | -3.68 |
| Xl.7354.1.A1_at | AW766695 | sytl2 | -3.60 |
| Xl.26141.1.S1_at | BC044313 | MGC80993 | -3.60 |
| Xl.15156.1.S1_at | CB562846 | vill | -3.53 |
| Xl.13575.1.A1_at | BU913085 | b3gnt1 | -3.50 |
| Xl.12727.1.A1_at | BM192846 | fa2h | -3.49 |
| Xl.24199.1.A1_at | CB756654 | Unknown | -3.41 |
| Xl.10362.1.A1_at | BF072092 | ca12 | -3.31 |
| Xl.16466.1.A1_at | BJ082483 | Predicted lectin | -3.31 |
| Xl.21983.1.S1_at | M11940 | xk81a1 | -3.26 |
| Xl.11136.1.A1_at | BJ045099 | LOC100037100 | -3.25 |
| Xl.5912.1.A1_at | BG020669 | eppk1 | -3.24 |
| Xl.1479.1.A1_at | BG038587 | Unknown | -3.21 |
| Xl.8098.1.A1_at | BJ090592 | LOC494641 | -3.20 |
| Xl.522.1.S1_at | AF217647 | pitx1 | -3.17 |
| Xl.13893.1.A1_at | BJ083655 | fam3d | -3.10 |
| Xl.22874.1.A1_at | BJ090165 | ubp1 | -3.06 |
| Xl.15089.1.A1_at | BJ056659 | lgals9 | -3.04 |
| Xl.5930.1.A1_at | AW766360 | aldh1l1 | -2.99 |
| Xl.11187.1.A1_at | AW782510 | Predicted adenovirus receptor homolog | -2.97 |
| Xl.13767.1.A1_at | BJ075935 | MGC85058 | -2.96 |

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| Xl.10855.1.A1_at | BE575595 | grhl3 | -2.96 |
| Xl.5486.1.A1_at | BJ091754 | Unknown | -2.95 |
| Xl.16487.1.S1_at | BC045029 | ehd4 | -2.84 |
| Xl.7307.1.S1_at | BJ084368 | LOC443682 | -2.83 |
| Xl.2610.1.S1_at | M60768 | anxa2-a | -2.82 |
| Xl.7848.1.A1_at | AW148259 | Unknown | -2.79 |
| Xl.23326.1.S1_at | BC045031 | krt-b | -2.77 |
| Xl.16658.3.A1_at | BJ083088 | kcnc3 | -2.74 |
| Xl.16672.1.S1_at | BC044108 | kitlg | -2.74 |
| Xl.15841.1.A1_at | BJ049236 | Predicted anion transporter | -2.68 |
| Xl.9961.1.A1_at | BG812624 | syt1 | -2.67 |
| Xl.11145.1.A1_at | AW766955 | Unknown | -2.66 |
| Xl.14452.1.A1_at | BG811297 | bcat1 | -2.62 |
| Xl.13681.1.A1_at | BJ092589 | znf750-b | -2.61 |
| Xl.25460.1.A1_at | AW148116 | grhl1 | -2.60 |
| Xl.9076.1.S1_at | BC047968 | nkx3-1-a | -2.58 |
| Xl.16589.1.A1_at | BJ080730 | Predicted sulfotransferase | -2.58 |
| Xl.13862.1.A1_at | BJ078064 | Unknown | -2.57 |
| Xl.1450.1.A1_at | BG579799 | Possible ATPase | -2.55 |
| Xl.7017.1.S1_at | BF615728 | krt12 | -2.49 |
| Xl.6104.1.A1_at | BJ076947 | rab27a | -2.49 |
| Xl.2418.1.A1_at | BG023326 | ccno | -2.48 |
| Xl.7213.3.S1_a_at | BQ737049 | LOC100158288 | -2.48 |
| Xl.11935.1.A1_at | BJ088440 | Possible syt1 | -2.47 |
| Xl.9959.1.A1_at | BJ045735 | degs3 | -2.45 |
| Xl.25518.1.S1_at | BJ053813 | LOC443659 | -2.44 |
| Xl.7756.1.S1_at | BC043737 | znf750-a | -2.42 |
| Xl.23708.1.A1_at | AI031433 | MGC81939 | -2.37 |
| Xl.7213.1.S1_at | BC042338 | cmahp | -2.36 |
| Xl.13291.1.A1_at | BJ078773 | Predicted FAM55c-like | -2.36 |
| Xl.16504.1.A1_at | BJ090565 | fut6 | -2.36 |
| Xl.16435.1.A1_at | BJ089860 | gdpd1 | -2.35 |
| Xl.793.1.A1_at | M76565 | gata3 | -2.33 |
| Xl.21868.1.S1_at | BC044973 | elf-1 | -2.33 |
| Xl.10200.1.A1_at | BJ084274 | tmem181 | -2.32 |
| Xl.25344.1.A1_at | BE678810 | Unknown | -2.31 |
| Xl.1605.1.S1_at | BJ080966 | Predicted envoplakin | -2.30 |
| Xl.9656.1.S1_at | BC046858 | glb1l2 | -2.29 |
| Xl.4183.2.A1_at | BJ051393 | LOC100158277 | -2.29 |
| Xl.23835.1.A1_s_at | BJ081027 | Predicted prr4 | -2.29 |
| Xl.16564.1.A1_s_at | BJ054555 | fam3a | -2.26 |
| Xl.1076.1.S1_at | BC046838 | ag1 | -2.26 |
| Xl.16096.1.A1_at | BJ046407 | tmem45b | -2.25 |
| Xl.16320.1.S1_at | BC046669 | anxa9 | -2.25 |
| Xl.104.1.S1_at | AJ005787 | pitx2-a | -2.24 |

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| Xl.5296.1.A1_at | BJ080084 | Unknown | -2.23 |
| Xl.21239.1.A1_at | BU908560 | EIG121L | -2.23 |
| Xl.12647.1.A1_at | BJ088990 | Predicted paqr5 | -2.19 |
| Xl.23267.1.S1_at | BC044298 | dnajb14 | -2.19 |
| Xl.1380.1.S1_at | BC051601 | gale | -2.18 |
| Xl.1003.1.S1_at | U28370 | hesx1-a | -2.18 |
| Xl.2852.1.A1_at | BG555933 | Predicted slc16a3 | -2.18 |
| Xl.9651.1.A1_at | BG161001 | Unknown | -2.18 |
| Xl.21677.2.A1_at | BJ057218 | Lapl04 mRNA | -2.17 |
| Xl.16144.1.A1_at | CB592728 | cd81-a | -2.16 |
| Xl.15347.1.A1_at | BJ052833 | eps8l1 | -2.15 |
| Xl.9058.1.A1_at | BG347632 | mmp3 | -2.14 |
| Xl.2659.1.S1_at | BC045045 | atp12a-b | -2.13 |
| Xl.8004.1.S1_at | AW199480 | Predicted mob1b | -2.13 |
| Xl.16249.1.A1_at | BJ091874 | Predicted mucin-4-like | -2.12 |
| Xl.1466.1.S1_at | CB560706 | slc35a3.2 | -2.12 |
| Xl.12819.2.A1_at | BJ056722 | gmpr2 | -2.09 |
| Xl.24099.1.A1_at | CB562751 | dvl3 | -2.07 |
| Xl.9576.1.S1_at | CB560639 | ca2 | -2.06 |
| Xl.10887.1.A1_at | BM172535 | LOC496380 | -2.06 |
| Xl.973.1.S1_at | L47990 | gbx2.2 | -2.06 |
| Xl.12147.1.A1_at | BJ051202 | Unknown | -2.06 |
| Xl.15019.1.A1_at | BQ384301 | Predicted LOC100127290 | -2.05 |
| Xl.6308.1.A1_at | AW632863 | mtus1 | -2.05 |
| Xl.14521.1.S1_at | BC041533 | LOC398688 | -2.04 |
| Xl.15893.1.A1_at | BJ056712 | Predicted ankyrin repeat domain 43 | -2.04 |
| Xl.1242.1.S1_at | BC043635 | arg1 | -2.03 |
| Xl.8929.1.A1_at | BG554539 | Predicted ATPase subunit C2-like | -2.03 |
| Xl.26274.1.A1_at | BE189559 | MGC82269 | -2.02 |
| Xl.509.1.S1_at | BC046269 | atp1b2 | -2.02 |
| Xl.15540.1.A1_at | BJ054782 | atf5.2 | -2.02 |
| Xl.22091.1.A1_at | BE188962 | Predicted superoxide dismutase | -2.02 |
| Xl.2854.1.S1_at | BC043826 | fam3a | -2.02 |
| Xl.16658.2.A1_at | BJ090409 | Predicted FAM55D-like | -2.01 |
| Xl.1604.1.A1_at | BJ057329 | MGC78986 | -2.01 |
| Xl.4812.1.A1_at | BG555240 | Unknown | -2.00 |
| Xl.3804.1.A1_at | BJ080125 | rab25 | -2.00 |
| Xl.17407.1.S1_at | BM928994 | sgsm3 | -2.00 |
| Xl.792.1.S1_at | M76564 | gata2 | -1.99 |
| Xl.24155.1.A1_at | BJ090126 | ada | -1.98 |
| Xl.2256.1.S1_at | BJ056357 | hal.1 | -1.97 |
| Xl.23515.1.S1_at | BC042293 | cldn1 | -1.97 |
| Xl.656.1.S1_at | AF163313 | cml | -1.97 |
| Xl.15637.1.A1_at | BJ067363 | capn9 | -1.96 |
| Xl.3793.1.S1_at | AB031348 | xenf | -1.95 |

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|---|---|---|---|
| Xl.15310.1.A1_at | BJ045220 | gmppb-b | -1.95 |
| Xl.15698.1.A1_at | BG020321 | Predicted tmem63A | -1.95 |
| Xl.21384.1.S1_at | AB085630 | cat1 | -1.95 |
| Xl.23980.1.A1_at | AW764542 | Predicted LOC100494996 | -1.94 |
| Xl.15057.1.A1_at | BJ081522 | kiaa1324l | -1.94 |
| Xl.30.1.S1_at | Z48770 | kit-a | -1.93 |
| Xl.15857.1.A1_at | BJ099826 | tmem38b-b | -1.92 |
| Xl.21926.1.S1_at | BC042252 | prr5 | -1.92 |
| Xl.460.1.S1_at | BG021592 | fzd4 | -1.92 |
| Xl.14093.2.A1_at | BJ079222 | gna14-a | -1.91 |
| Xl.14093.2.A1_at | BJ079222 | gna14-a | -1.91 |
| Xl.9247.1.A1_at | BG438869 | elf1 | -1.91 |
| Xl.23255.1.S1_at | AF176665 | mtus1 | -1.91 |
| Xl.18645.1.A1_at | BI443285 | Unknown | -1.90 |
| Xl.1241.1.S1_at | D83649 | sox7 | -1.89 |
| Xl.5792.1.A1_at | BJ053583 | glo1 | -1.89 |
| Xl.18670.1.A1_at | BI443571 | MGC115605 | -1.88 |
| Xl.23845.2.S1_at | CB756807 | capns2 | -1.88 |
| Xl.10620.1.S1_at | BJ047148 | slc1a5 | -1.88 |
| Xl.15658.1.A1_at | BJ047928 | scel | -1.88 |
| Xl.15475.1.A1_at | BJ083397 | U8 snoRNA | -1.87 |
| Xl.7111.1.S1_at | BJ086019 | efhd1 | -1.86 |
| Xl.7483.1.S2_at | L29057 | cdh1 | -1.86 |
| Xl.24073.1.A1_at | CB561420 | fut1 | -1.86 |
| Xl.14584.1.A1_at | BJ091208 | sbk1 | -1.86 |
| Xl.16031.1.A1_at | CD326985 | Predicted uaca | -1.84 |
| Xl.8104.1.A1_at | BJ056584 | LOC446305 | -1.84 |
| Xl.21920.1.S1_at | BC043746 | slc19a3 | -1.84 |
| Xl.7751.1.S1_at | AF536830 | menf.1 | -1.83 |
| Xl.5611.1.S1_at | BJ045338 | elovl7 | -1.83 |
| Xl.16165.1.A1_at | BJ051817 | Predicted rnasek-a | -1.83 |
| Xl.3829.1.S1_at | BC041743 | osbpl2 | -1.82 |
| Xl.3898.1.A1_at | BF232494 | Predicted vangl1 | -1.82 |
| Xl.16562.1.A1_at | BJ084204 | Predicted gcm1 | -1.82 |
| Xl.627.1.S1_at | AF183571 | six3-a | -1.81 |
| Xl.17336.1.A1_at | BJ084049 | rassf10 | -1.81 |
| Xl.14862.1.A1_at | BG885914 | Predicted rnf149 | -1.81 |
| Xl.6133.1.S1_at | M11032 | krt-a | -1.81 |
| Xl.10182.1.A1_at | BJ043711 | Predicted LOC100487499 isoform 1 | -1.80 |
| Xl.13377.1.A1_at | BJ051589 | kctd15 | -1.80 |
| Xl.8717.1.S1_at | BC041217 | cd81-a | -1.79 |
| Xl.8076.1.A1_at | BF428354 | MGC82342 | -1.79 |
| Xl.5611.2.A1_at | BJ043782 | MGC80262 | -1.78 |
| Xl.12539.1.A1_at | BJ087662 | Predicted pmm2 | -1.78 |
| Xl.14870.1.A1_at | BJ077643 | hk2 | -1.78 |

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|---|---|---|---|
| Xl.11134.1.S1_at | AF465789 | LOC398485 | -1.77 |
| Xl.6421.1.A1_at | AW633197 | tob1 | -1.77 |
| Xl.15247.1.A1_at | BI443131 | rnft1 | -1.77 |
| Xl.19422.1.A1_at | BI444791 | c1orf21 | -1.76 |
| Xl.3818.1.S1_at | AF368041 | snai2-a | -1.76 |
| Xl.16875.1.A1_at | AW199209 | LOC100137681 | -1.76 |
| Xl.5854.1.A1_at | BJ091200 | angpt4 | -1.76 |
| Xl.24090.1.A1_at | CB561571 | kit-b | -1.74 |
| Xl.9325.1.A1_at | BJ080496 | Unknown | -1.74 |
| Xl.511.1.S1_at | AW164934 | crx-b | -1.74 |
| Xl.24391.1.A1_at | BJ092498 | Predicted hexokinase -2-like | -1.74 |
| Xl.6160.1.S1_at | BC041187 | MGC52585 | -1.73 |
| Xl.25380.1.A1_at | BJ044089 | Predicted LOC100101281 | -1.73 |
| Xl.6291.1.A1_at | BJ043812 | cldn4 | -1.73 |
| Xl.15574.1.A1_at | BJ083528 | tfcp2l1-b | -1.72 |
| Xl.14620.1.A1_at | BJ056766 | cetn4 | -1.72 |
| Xl.16197.1.A1_at | BJ044460 | fezf2 | -1.72 |
| Xl.139.1.S1_at | X74316 | foxi4.2-b | -1.72 |
| Xl.1451.1.A1_at | BG579801 | tbc1d24.2 | -1.72 |
| Xl.3776.1.S1_at | CB563309 | capn1 | -1.72 |
| Xl.841.1.S1_a_at | M23238 | pdgfa | -1.71 |
| Xl.25780.1.S1_at | BG016938 | gdf1 | -1.71 |
| Xl.1525.1.A1_at | BJ056088 | Predicted LOC100485898 | -1.71 |
| Xl.14738.1.A1_at | BM179208 | cab39l | -1.71 |
| Xl.25758.1.S1_at | CD325687 | MGC68655 | -1.69 |
| Xl.15706.1.A1_at | BJ092390 | nek8 | -1.69 |
| Xl.5424.1.A1_at | BI444735 | dapk2 | -1.69 |
| Xl.1654.1.A1_at | BG019624 | Predicted zfp729-like | -1.69 |
| Xl.10638.1.A1_at | BE505190 | tnfrsf1a | -1.68 |
| Xl.15970.1.A1_at | BJ051939 | MGC80468 | -1.68 |
| Xl.6005.1.S1_at | CB943930 | Unknown | -1.68 |
| Xl.2098.1.A1_at | BG486824 | LOC503673 | -1.67 |
| Xl.9829.1.S1_at | BG018208 | foxn4 | -1.67 |
| Xl.10967.1.S1_at | BE026444 | Predicted LOC100036671 | -1.67 |
| Xl.16033.1.A1_at | CD362297 | Predicted LOC100158300 | -1.67 |
| Xl.8108.1.A1_at | BJ047639 | LOC100036828 | -1.66 |
| Xl.24323.1.A1_at | CB564657 | tesc | -1.66 |
| Xl.15597.1.A1_at | BJ080111 | Predicted slc35d1 | -1.66 |
| Xl.7078.2.S1_a_at | BJ078851 | amd1 | -1.65 |
| Xl.8089.1.A1_at | BQ384705 | hs3st1 | -1.65 |
| Xl.8089.1.A1_at | BQ384705 | hs3st1 | -1.65 |
| Xl.131.1.S1_at | X60099 | hesx1-b | -1.65 |
| Xl.15963.1.S1_at | BC044687 | sfrp2 | -1.64 |
| Xl.142.1.S1_at | X52691 | c-ets-1b | -1.64 |
| Xl.11114.1.A1_at | BJ051736 | LOC100337617 | -1.64 |

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|---|---|---|---|
| Xl.4128.1.S1_at | BJ047451 | LOC100037197 | -1.63 |
| Xl.24966.1.S1_at | BC049292 | MGC53924 | -1.63 |
| Xl.15272.1.A1_at | BJ051205 | st3gal4 | -1.62 |
| Xl.15265.1.A1_at | BJ047004 | Unknown | -1.61 |
| Xl.4752.1.A1_at | BJ057383 | Predicted tbcb | -1.61 |
| Xl.7919.1.S1_at | BJ090309 | MGC81684 | -1.60 |
| Xl.2986.1.S1_x_at | BJ099184 | Unknown | -1.60 |
| Xl.14049.2.A1_at | BJ083561 | Predicted LOC100497155 | -1.60 |
| Xl.18686.1.A1_at | BJ045936 | Predicted ankrd9 | -1.60 |
| Xl.4275.1.S1_at | BC043822 | nek2 | -1.60 |
| Xl.15572.1.A1_at | BJ088128 | hes7.1 | -1.60 |
| Xl.3204.1.S1_at | U62807 | hspa5 | -1.60 |
| Xl.13505.1.A1_at | AW767880 | Predicted hexd-like | -1.59 |
| Xl.5679.1.S1_at | BE026676 | nipal4 | -1.59 |
| Xl.6436.1.S1_at | BQ398712 | Predicted LOC101730357 | -1.59 |
| Xl.4391.1.A1_at | BE678263 | mreg | -1.59 |
| Xl.4460.1.A1_at | BM262138 | MGC84886 | -1.59 |
| Xl.10784.1.A1_at | BE508497 | Unknown | -1.59 |
| Xl.6002.1.A1_at | AW766813 | fam154b | -1.58 |
| Xl.1395.1.A1_x_at | BG022417 | LOC496316 | -1.58 |
| Xl.16025.1.A1_at | BJ043667 | gnb3 | -1.58 |
| Xl.8559.1.A1_at | BJ043709 | Predicted pcdh10 gene product | -1.58 |
| Xl.11931.1.A1_at | BG893379 | Predicted syt2 | -1.58 |
| Xl.15997.2.A1_at | BJ050776 | sytl1 | -1.58 |
| Xl.16087.1.A1_x_at | BJ046353 | MGC81163 | -1.57 |
| Xl.13379.1.A1_at | BJ085119 | Predicted trpm4 | -1.57 |
| Xl.1424.1.S1_a_at | BJ043534 | LOC100127277 | -1.57 |
| Xl.16451.1.A1_at | BJ049278 | LOC495248 | -1.57 |
| Xl.22394.1.S1_at | AW633564 | gmppa-b | -1.56 |
| Xl.14426.1.A1_at | BJ081435 | Predicted krt8.2 | -1.56 |
| Xl.551.1.S1_at | BI449397 | pacsin2 | -1.56 |
| Xl.13161.1.S1_at | BU901413 | b3gnt2 | -1.56 |
| Xl.1016.1.S1_at | AB007037 | fgfr4-b | -1.56 |
| Xl.18621.1.A1_s_at | BI443159 | Unknown | -1.56 |
| Xl.12881.2.A1_at | BJ084140 | MGC81002 | -1.56 |
| Xl.9387.1.A1_at | BJ052978 | Unknown | -1.55 |
| Xl.693.1.S1_at | AF233632 | camk2g | -1.55 |
| Xl.11329.1.S1_at | BF072268 | Unknown | -1.55 |
| Xl.23696.1.S1_at | BC048022 | tsga10 | -1.55 |
| Xl.25710.1.S1_at | BF048877 | hist1h2am | -1.55 |
| Xl.2143.1.S1_at | M59455 | tfap2a-a | -1.55 |
| Xl.21648.1.S1_at | BJ062907 | kit-b | -1.55 |
| Xl.6195.1.A1_at | AW766846 | Predicted LOC100486791 | -1.54 |
| Xl.9628.1.S1_x_at | BQ398502 | ap1ar | -1.54 |
| Xl.15267.1.A1_at | BJ053669 | gata4-a | -1.54 |

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|---|---|---|---|
| Xl.2478.1.S1_at | BJ088660 | gpd1 | -1.54 |
| Xl.11740.1.A1_at | BJ045587 | Predicted Dmx1 | -1.54 |
| Xl.7235.1.A1_at | BG885754 | Predicted hic2 | -1.53 |
| Xl.6577.1.S1_at | BE506347 | LOC100137643 | -1.53 |
| Xl.5614.1.S1_at | BE026933 | meig1 | -1.53 |
| Xl.14513.1.A1_at | BE491698 | dlx3-b | -1.53 |
| Xl.2520.1.S1_at | BC041506 | eif1 | -1.53 |
| Xl.15843.1.A1_at | BJ052021 | LOC100127337 | -1.53 |
| Xl.5439.1.A1_at | BE575910 | Predicted rtn1-a | -1.53 |
| Xl.9703.1.A1_at | BG161470 | Predicted slc10a3 | -1.53 |
| Xl.10349.1.A1_at | BF072039 | oaf | -1.52 |
| Xl.21813.1.S1_at | BC041253 | vtcn1 | -1.52 |
| Xl.6054.1.A1_at | BG555273 | gata2 | -1.52 |
| Xl.11581.1.S1_at | BG016863 | serinc2 | -1.52 |
| Xl.12043.1.A1_at | BJ092311 | LOC100037144 | -1.52 |
| Xl.10209.1.S1_at | BJ083595 | esrra | -1.51 |
| Xl.14515.1.S1_at | BC044002 | esrp1 | -1.51 |
| Xl.15772.1.A1_at | BJ083484 | Unknown | -1.51 |
| Xl.3326.2.S1_a_at | X63427 | bmp7.2 | -1.51 |
| Xl.315.1.S1_at | AF043643 | pcdh7 | -1.51 |
| Xl.21645.1.S1_at | X54678 | pou2f3 | -1.51 |
| Xl.6072.1.A1_at | BG731664 | Predicted Hand1 | -1.50 |
| Xl.13666.1.A1_x_at | BJ091634 | slc25a24-a | -1.50 |
| Xl.24384.2.S1_at | BI314483 | cab39l | -1.50 |
| Xl.186.1.S1_at | AF017273 | rax-a | -1.50 |

**3. Genes upregulated by iFGFR2**

| Affymetrix Probe Set | Genbank Accession | Gene Symbol | Expression Fold change |
|---|---|---|---|
| Xl.736.1.S1_at | AF310008 | T-A | 23.07 |
| Xl.23988.1.S1_at | BJ044287 | Rexp44 | 11.14 |
| Xl.4965.1.S1_at | AJ278067 | irg1 | 8.06 |
| Xl.16457.1.A1_at | CB563787 | junb | 6.98 |
| Xl.24294.1.S1_at | BJ098811 | Cico01 RNA | 6.20 |
| Xl.8124.1.S1_at | BJ045090 | MGC115642 | 6.04 |
| Xl.24793.1.S1_at | CB563927 | tspan1 | 5.52 |
| Xl.23897.1.S1_at | BQ386549 | cnfn-a | 4.76 |
| Xl.2213.1.A1_at | BG022871 | socs3 | 4.35 |
| Xl.637.1.A1_at | AF250345 | egr1-a | 4.26 |
| Xl.9671.1.S1_at | BC042349 | capn8-a | 3.92 |
| Xl.5082.1.A1_at | BF072347 | MGC68521 | 3.06 |
| Xl.4789.1.S1_at | BC043748 | MGC52875 | 2.64 |
| Xl.14397.1.S2_at | BC044326 | nek6 | 2.62 |
| Xl.24094.1.A1_at | BJ083532 | kcnc | 2.57 |
| Xl.8010.1.A1_at | AW782315 | Unknown | 2.44 |
| Xl.15701.1.S1_at | AY150813 | kremen2 | 2.42 |
| Xl.49.1.S1_at | X57234 | wnt8a | 2.36 |

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|---|---|---|---|
| Xl.24337.1.A1_at | CB564601 | Predicted NADPH oxidase 1-like | 2.35 |
| Xl.24218.1.S1_at | CB943601 | dynll1-a | 2.30 |
| Xl.708.1.S1_at | AF283562 | lefty-a | 2.25 |
| Xl.11964.1.S2_at | AF369901 | spry2 | 2.25 |
| Xl.7618.2.A1_a_at | BG346681 | plscr1 | 2.22 |
| Xl.558.1.S1_at | AF149307 | ventx3.2 | 2.22 |
| Xl.12130.1.S1_at | M24752 | hoxa7 | 2.16 |
| Xl.21515.1.S1_at | CB197658 | cfos-A | 2.15 |
| Xl.880.1.S1_at | L07538 | wnt3a | 2.15 |
| Xl.8976.1.S1_at | BG555629 | Unknown | 2.13 |
| Xl.23900.1.A1_at | BF232275 | cfos-A | 2.11 |
| Xl.8315.1.A1_at | AW147996 | nuak2 | 2.09 |
| Xl.15623.1.A1_at | CB756273 | pfkfb3 | 2.07 |
| Xl.1265.1.S1_at | BG022051 | pou2f1 | 2.07 |
| Xl.18073.1.A1_at | BG885063 | Unknown | 2.07 |
| Xl.1082.1.S1_at | S93559 | foxa4-b | 2.01 |
| Xl.23957.1.S1_at | BI313816 | cfd | 2.00 |
| Xl.12011.1.A1_at | BG812177 | Predicted fbrsl1 | 2.00 |
| Xl.4880.2.S1_a_at | CB563123 | sat1-a | 1.97 |
| Xl.14334.1.S1_at | BI444166 | Predicted phldb1 | 1.96 |
| Xl.6155.1.A1_at | BJ052899 | tfap2b | 1.96 |
| Xl.4725.1.S1_at | AB072909 | cldn4L2 | 1.95 |
| Xl.37.1.S1_at | X98454 | ventx2.2 | 1.95 |
| Xl.2466.1.A1_at | BG020193 | traf4b | 1.94 |
| Xl.22960.2.A1_at | BJ085655 | Unknown | 1.93 |
| Xl.7252.1.S1_at | AY172320 | LOC398520 | 1.93 |
| Xl.1465.1.S1_at | BC046253 | ido1 | 1.89 |
| Xl.23938.2.S1_at | CB563963 | laptm4a | 1.89 |
| Xl.23963.1.A1_at | BM181061 | LOC100137667 | 1.88 |
| Xl.19778.1.A1_at | BQ398893 | bhlhe40 | 1.87 |
| Xl.26209.1.S1_at | BJ056944 | Unknown | 1.87 |
| Xl.1044.1.S1_at | AF283563 | lefty-b | 1.87 |
| Xl.13904.1.A1_at | BJ077369 | Predicted  LOC100216133 | 1.85 |
| Xl.13019.1.S1_at | BC041294 | rasl11b | 1.84 |
| Xl.16519.1.A1_at | BI446890 | hoxd3 | 1.83 |
| Xl.7889.1.A1_at | AW198901 | cmip | 1.83 |
| Xl.11965.1.S1_at | AF331825 | LOC398232 | 1.83 |
| Xl.10874.1.A1_at | BU907171 | gprc5c | 1.83 |
| Xl.25397.1.A1_at | BE026782 | Unknown | 1.81 |
| Xl.10415.1.A1_at | BF024850 | MGC80142 | 1.79 |
| Xl.25941.1.A1_at | BM180508 | tpbg | 1.79 |
| Xl.5350.1.S1_a_at | BF612893 | LOC494681 | 1.78 |
| Xl.12012.2.A1_at | BM191810 | btrc | 1.77 |
| Xl.25587.1.A1_at | BQ387107 | tmcc1 | 1.77 |
| Xl.24205.1.S1_at | BJ086130 | Predicted itga6-like | 1.76 |
| Xl.2061.1.A1_at | BI443086 | tmem169 | 1.75 |
| Xl.23247.1.S1_at | BQ400459 | ddr1 | 1.74 |
| Xl.16396.1.S1_at | BC048018 | MGC52622 | 1.74 |
| Xl.4107.1.A1_at | BF025212 | Predicted MGC82982 | 1.73 |
| Xl.24824.1.A1_at | BG555750 | kng1 | 1.72 |
| Xl.7620.1.S1_at | BC045059 | arl5b-b | 1.72 |
| Xl.801.1.S1_at | BJ056432 | gsc-b | 1.72 |
| Xl.11148.1.A1_at | AW766989 | chn2 | 1.72 |
| Xl.15887.1.S1_x_at | BJ088835 | mpc2 | 1.72 |
| Xl.21869.1.S1_at | BC045041 | LOC398437 | 1.71 |
| Xl.24158.1.A1_at | CB561731 | c4orf31 | 1.70 |
| Xl.18712.1.A1_s_at | BI444259 | kalrn | 1.70 |
| Xl.19998.1.S1_at | M55054 | wnt3 | 1.70 |

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|---|---|---|---|
| Xl.10607.1.A1_at | BE491057 | Unknown | 1.70 |
| Xl.457.1.S1_at | AF065135 | gdf3 | 1.69 |
| Xl.644.1.S1_at | AF223426 | foxd5b | 1.69 |
| Xl.14206.1.A1_at | BM190943 | ripk1 | 1.68 |
| Xl.15374.1.A1_at | BJ077463 | rexp91 | 1.68 |
| Xl.700.1.S1_at | AF294272 | myd88-a | 1.67 |
| Xl.7683.1.S1_at | BG816867 | fam174 | 1.66 |
| Xl.19790.1.S1_at | BQ399032 | MGC82544 | 1.66 |
| Xl.3618.1.A1_at | BG020413 | cebpb-b | 1.66 |
| Xl.1073.1.S1_at | L23542 | wnt11b | 1.66 |
| Xl.15131.1.A1_at | BJ048969 | plekhn1 | 1.65 |
| Xl.203.1.S1_at | AF012925 | ventx1.1-a | 1.65 |
| Xl.23718.1.A1_at | BJ075987 | mmp14 | 1.65 |
| Xl.16273.1.A1_at | BJ045836 | hoxc8 | 1.65 |
| Xl.10269.1.S1_at | U02034 | cdx4 | 1.65 |
| Xl.23286.1.S1_at | BC046843 | MGC52924 | 1.65 |
| Xl.24197.1.S1_at | CD327596 | scin | 1.64 |
| Xl.1002.1.S1_at | U43223 | dusp6 | 1.64 |
| Xl.4819.1.S1_at | AF461119 | robo1 | 1.64 |
| Xl.18364.1.A1_at | BI315001 | Predicted ATPase | 1.63 |
| Xl.15037.1.S1_at | BJ078533 | cxcr7 | 1.63 |
| Xl.15165.1.A1_at | BJ077194 | MGC131003 | 1.63 |
| Xl.4290.1.S1_at | BC046657 | ptafr | 1.63 |
| Xl.12622.1.A1_at | BJ088645 | Predicted aim1l | 1.63 |
| Xl.23976.1.A1_at | CB562187 | jund | 1.62 |
| Xl.23739.1.A1_at | CB564190 | cdx1 | 1.62 |
| Xl.21639.1.S1_at | AJ319749 | hoxa10 | 1.62 |
| Xl.8351.1.A1_s_at | AW148150 | prdm1 | 1.62 |
| Xl.21562.1.S1_at | CB756418 | rasd1 | 1.62 |
| Xl.7556.1.S1_at | AF387815 | prickle1-a | 1.61 |
| Xl.5940.1.A1_at | AW766423 | Predicted KIF26a | 1.61 |
| Xl.1358.1.S1_at | U04302 | cdx1 | 1.61 |
| Xl.216.2.S1_a_at | Y08734 | mst1 | 1.60 |
| Xl.9662.1.A1_at | BJ082037 | exoc3 | 1.60 |
| Xl.13054.1.S1_at | AF521098 | lin28a | 1.60 |
| Xl.13275.1.A1_at | BJ090323 | ca14 | 1.60 |
| Xl.866.1.S2_at | L39213 | shh | 1.60 |
| Xl.824.1.S1_at | M27063 | mix1-a | 1.60 |
| Xl.14572.1.A1_at | BJ052988 | Predicted LOC100487322 | 1.60 |
| Xl.9439.1.S1_at | BC041731 | hoxa3 | 1.59 |
| Xl.642.1.S1_at | AF162782 | foxd4l1.1-a | 1.59 |
| Xl.6113.1.A1_at | AW767973 | LOC100487322 | 1.59 |
| Xl.24136.1.A1_at | BJ087326 | slc43a1 | 1.58 |
| Xl.15736.1.A1_at | BJ045157 | Unknown | 1.57 |
| Xl.3713.1.A1_at | BF428167 | cir1 | 1.57 |
| Xl.15811.1.A1_at | BJ049061 | txn | 1.57 |
| Xl.3294.1.S1_at | AF509738 | mark2 | 1.57 |
| Xl.11438.1.A1_at | BM172656 | gxylt1 | 1.56 |
| Xl.1209.1.S1_at | X12499 | hoxc6 | 1.56 |
| Xl.11188.1.S1_at | AW782515 | eps8l3 | 1.56 |
| Xl.21864.1.S1_at | AY167741 | hoxc10 | 1.55 |
| Xl.9549.1.S1_at | AF374473 | lmo2 | 1.55 |
| Xl.802.1.S1_at | BG016128 | LOC397753 | 1.55 |
| Xl.10766.1.A1_at | BJ053815 | kng1 | 1.55 |
| Xl.16140.1.A1_at | BJ081438 | LOC100036879 | 1.55 |
| Xl.13997.2.A1_at | BJ078256 | LOC443660 | 1.55 |
| Xl.415.1.S1_at | AJ010497 | il1b | 1.55 |
| Xl.2208.1.A1_at | BJ089383 | pkp3 | 1.54 |

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|---|---|---|---|
| Xl.514.1.S1_at | M77243 | t-a | 1.54 |
| Xl.14496.1.A1_at | BF025525 | LOC100191024 | 1.54 |
| Xl.19198.1.S1_at | BQ384108 | Predicted LOC100490392 | 1.54 |
| Xl.4792.1.A1_at | BG022307 | MGC68744 | 1.53 |
| Xl.15716.1.A1_at | BJ055126 | smo | 1.53 |
| Xl.22636.1.A1_at | BJ087054 | pfkfb3 | 1.53 |
| Xl.6868.1.A1_at | BG555913 | pvrl1 | 1.53 |
| Xl.3085.1.S1_at | BC046743 | sgk223 | 1.53 |
| Xl.20394.1.S1_at | BJ089309 | myo6 | 1.53 |
| Xl.15284.1.A1_at | BJ080869 | akap13 | 1.53 |
| Xl.3540.1.S1_at | AF131890 | LOC398134 | 1.52 |
| Xl.16035.1.A1_at | BJ081350 | Unknown | 1.52 |
| Xl.8165.1.S1_at | CB207508 | tcf12 | 1.52 |
| Xl.2757.1.S1_at | BC044125 | Unknown | 1.52 |
| Xl.14601.1.A1_at | BJ078962 | Unknown | 1.51 |
| Xl.12606.1.S1_at | BU908750 | egln3 | 1.51 |
| Xl.15754.1.A1_at | BG021580 | cpne3 | 1.51 |
| Xl.2351.1.A1_at | BJ047002 | tfe3 | 1.50 |
| Xl.12180.1.S1_at | AB095361 | higd1a-a | 1.50 |
| Xl.12568.1.A1_at | BJ087957 | phf6 | 1.50 |
| Xl.22272.1.A1_at | CD328921 | krt16 | 1.50 |
| Xl.23306.1.S1_at | AJ009313 | cldn6.1 | 1.50 |
| Xl.16644.1.S1_at | BJ088493 | gpx3-b | 1.50 |
| Xl.18908.1.A1_at | BI447750 | stard4 | 1.50 |
| Xl.12111.1.S1_at | AY055473 | prickle1-b | 1.50 |

**4. Genes downregulated by iFGFR2**

| Affymetrix Probe Set | GenBank Accession | Gene Symbol | Fold Change |
|---|---|---|---|
| Xl.25847.1.S1_at | BC052102 | agr2 | -6.21 |
| Xl.18858.1.A1_at | BI446930 | Unknown | -3.50 |
| Xl.16543.1.S1_at | AF513854 | Ras dva | -3.18 |
| Xl.1685.1.S1_at | AF314056 | Ag2a | -3.15 |
| Xl.24199.1.A1_at | CB756654 | Unknown | -3.08 |
| Xl.20089.1.S1_at | BC042303 | foxi1 | -3.03 |
| Xl.6266.1.S1_at | AB105372 | itln1 | -2.98 |
| Xl.13575.1.A1_at | BU913085 | b3gnt1 | -2.85 |
| Xl.15702.1.A1_at | BJ076178 | ATPase 13a4-like | -2.80 |
| Xl.2924.1.S1_at | BG023525 | MGC53311 | -2.71 |
| Xl.26141.1.S1_at | BC044313 | MGC80993 | -2.52 |
| Xl.10583.1.S1_at | BC042234 | slc3a2 | -2.48 |
| Xl.22874.1.A1_at | BJ090165 | ubp1 | -2.40 |
| Xl.11145.1.A1_at | AW766955 | Unknown | -2.38 |
| Xl.909.1.S1_at | AB018694 | xepsin | -2.38 |
| Xl.24565.1.A1_at | BG485946 | Predicted LOC100049150 | -2.34 |
| Xl.2659.1.S1_at | BC045045 | atp12a-b | -2.30 |
| Xl.16262.1.A1_at | BJ051781 | Predicted LOC100497338 | -2.28 |
| Xl.12727.1.A1_at | BM192846 | fa2h | -2.26 |
| Xl.841.3.S1_a_at | X17545 | pdgfa | -2.25 |
| Xl.186.1.S1_at | AF017273 | rax-a | -2.25 |
| Xl.1589.1.S1_at | AF025474 | agr3 | -2.22 |
| Xl.14452.1.A1_at | BG811297 | bcat1 | -2.22 |
| Xl.1683.1.S1_at | BJ044640 | MGC68910 | -2.21 |
| Xl.460.1.S1_at | BG021592 | fzd4 | -2.17 |
| Xl.15475.1.A1_at | BJ083397 | U8 snoRNA | -2.16 |
| Xl.16466.1.A1_at | BJ082483 | Predicted lgalsl-a | -2.14 |
| Xl.3789.1.S1_at | BC041714 | cebpa | -2.13 |
| Xl.104.1.S1_at | AJ005787 | pitx2-a | -2.11 |

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|---|---|---|---|
| Xl.10362.1.A1_at | BF072092 | ca12 | -2.09 |
| Xl.11114.1.A1_at | BJ051736 | LOC100337617 | -2.09 |
| Xl.522.1.S1_at | AF217647 | pitx1 | -2.09 |
| Xl.5296.1.A1_at | BJ080084 | Unknown | -2.07 |
| Xl.5324.1.S1_at | BJ043563 | otog | -2.06 |
| Xl.628.1.S1_at | M84163 | pparg | -2.06 |
| Xl.9576.1.S1_at | CB560639 | ca2 | -2.04 |
| Xl.5912.1.A1_at | BG020669 | eppk1 | -2.03 |
| Xl.16589.1.A1_at | BJ080730 | Predicted sulfotransferase | -2.01 |
| Xl.1616.1.A1_at | BJ083887 | fam115a | -2.01 |
| Xl.7213.3.S1_a_at | BQ737049 | LOC100158288 | -2.01 |
| Xl.16144.1.A1_at | CB592728 | cd81-a | -1.99 |
| Xl.1479.1.A1_at | BG038587 | Unknown | -1.98 |
| Xl.9836.1.A1_at | BJ075817 | liph-a | -1.96 |
| Xl.5149.1.S1_at | CB592843 | sbk1 | -1.95 |
| Xl.13291.1.A1_at | BJ078773 | Predicted Fam55c-like | -1.94 |
| Xl.26274.1.A1_at | BE189559 | MGC82269 | -1.93 |
| Xl.24932.1.A1_at | BG811878 | Predicted mafb | -1.91 |
| Xl.15156.1.S1_at | CB562846 | vill | -1.90 |
| Xl.2610.1.S1_at | M60768 | anxa2-a | -1.88 |
| Xl.11136.1.A1_at | BJ045099 | LOC100037100 | -1.87 |
| Xl.16564.1.A1_s_at | BJ054555 | fam3a | -1.87 |
| Xl.15841.1.A1_at | BJ049236 | Predicted slco2b1 | -1.87 |
| Xl.21868.1.S1_at | BC044973 | elf-1 | -1.86 |
| Xl.1003.1.S1_at | U28370 | hesx1-a | -1.86 |
| Xl.793.1.A1_at | M76565 | gata3 | -1.85 |
| Xl.6308.1.A1_at | AW632863 | mtus1 | -1.84 |
| Xl.1654.1.A1_at | BG019624 | Predicted zfp729-like | -1.84 |
| Xl.10855.1.A1_at | BE575595 | grhl3 | -1.84 |
| Xl.7213.1.S1_at | BC042338 | cmahp | -1.84 |
| Xl.5930.1.A1_at | AW766360 | aldh1l1 | -1.83 |
| Xl.5792.1.A1_at | BJ053583 | glo1 | -1.81 |
| Xl.14532.1.S1_at | BC044975 | nr2f2 | -1.81 |
| Xl.847.1.S1_s_at | L10987 | otog | -1.79 |
| Xl.7751.1.S1_at | AF536830 | menf.1 | -1.78 |
| Xl.7751.1.S1_at | AF536830 | menf.1 | -1.78 |
| Xl.18395.1.S1_at | BC043753 | MGC52890 | -1.77 |
| Xl.21430.1.S1_at | AF175342 | six3 | -1.77 |
| Xl.509.1.S1_at | BC046269 | atp1b2 | -1.76 |
| Xl.627.1.S1_at | AF183571 | six3-a | -1.76 |
| Xl.21926.1.S1_at | BC042252 | prr5 | -1.76 |
| Xl.25344.1.A1_at | BE678810 | Unknown | -1.76 |
| Xl.847.1.S1_at | L10987 | otog | -1.75 |
| Xl.3804.1.A1_at | BJ080125 | rab25 | -1.75 |
| Xl.21986.1.S1_at | BC043898 | tmem188 | -1.75 |
| Xl.6421.1.A1_at | AW633197 | tob1 | -1.74 |
| Xl.7354.1.A1_at | AW766695 | sytl2 | -1.74 |
| Xl.7354.1.A1_at | AW766695 | sytl2 | -1.74 |
| Xl.4631.1.S1_at | U75681 | slbp | -1.74 |
| Xl.21983.1.S1_at | M11940 | xk81a1 | -1.74 |
| Xl.16435.1.A1_at | BJ089860 | gdpd1 | -1.73 |
| Xl.16562.1.A1_at | BJ084204 | Predicted gmc1 | -1.73 |
| Xl.24073.1.A1_at | CB561420 | fut1 | -1.71 |
| Xl.15637.1.A1_at | BJ067363 | capn9 | -1.70 |
| Xl.7848.1.A1_at | AW148259 | Unknown | -1.70 |
| Xl.23835.1.A1_s_at | BJ081027 | Predicted prr4 | -1.70 |
| Xl.13767.1.A1_at | BJ075935 | MGC85058 | -1.70 |
| Xl.16320.1.S1_at | BC046669 | anxa9 | -1.69 |

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|---|---|---|---|
| Xl.12647.1.A1_at | BJ088990 | Predicted paqr5 | -1.69 |
| Xl.15019.1.A1_at | BQ384301 | Predicted sgsm3 | -1.68 |
| Xl.30.1.S1_at | Z48770 | kit-a | -1.68 |
| Xl.16658.3.A1_at | BJ083088 | kcnc3 | -1.67 |
| Xl.16672.1.S1_at | BC044108 | kitlg | -1.67 |
| Xl.2418.1.A1_at | BG023326 | ccno | -1.67 |
| Xl.25460.1.A1_at | AW148116 | grhl1 | -1.65 |
| Xl.24099.1.A1_at | CB562751 | dvl3 | -1.65 |
| Xl.15893.1.A1_at | BJ056712 | Predicted ankyrin repeat domain 43 | -1.64 |
| Xl.7307.1.S1_at | BJ084368 | LOC443682 | -1.64 |
| Xl.7307.1.S1_at | BJ084368 | LOC443682 | -1.64 |
| Xl.16197.1.A1_at | BJ044460 | fezf2 | -1.64 |
| Xl.26465.1.A1_at | BJ089263 | rarres1 | -1.64 |
| Xl.13893.1.A1_at | BJ083655 | fam3d | -1.64 |
| Xl.9961.1.A1_at | BG812624 | syt1 | -1.64 |
| Xl.13862.1.A1_at | BJ078064 | Predicted LOC100036636 | -1.64 |
| Xl.973.1.S1_at | L47990 | gbx2.2 | -1.62 |
| Xl.16096.1.A1_at | BJ046407 | tmem45b | -1.62 |
| Xl.1424.1.S1_a_at | BJ043534 | LOC100127277 | -1.62 |
| Xl.5486.1.A1_at | BJ091754 | Unknown | -1.61 |
| Xl.2143.1.S1_at | M59455 | tfap2a-a | -1.60 |
| Xl.647.3.S1_x_at | U67887 | pax6-a | -1.60 |
| Xl.16436.1.A1_at | BJ081297 | Predicted G protein receptor | -1.60 |
| Xl.16451.1.A1_at | BJ049278 | LOC495248 | -1.60 |
| Xl.14584.1.A1_at | BJ091208 | sbk1 | -1.60 |
| Xl.10620.1.S1_at | BJ047148 | slc1a5 | -1.60 |
| Xl.633.2.S1_at | AF114151 | fzd7 | -1.59 |
| Xl.647.4.S1_x_at | AF154553 | pax6-b | -1.59 |
| Xl.4183.2.A1_at | BJ051393 | LOC100158277 | -1.59 |
| Xl.142.1.S1_at | X52691 | c-ets-1b | -1.59 |
| Xl.10209.1.S1_at | BJ083595 | esrra | -1.58 |
| Xl.159.1.S1_s_at | X87366 | rxrb-a | -1.58 |
| Xl.23136.1.S1_at | M77013 | ctnnb1-b | -1.57 |
| Xl.792.1.S1_at | M76564 | gata2 | -1.57 |
| Xl.25758.1.S1_at | CD325687 | MGC68655 | -1.57 |
| Xl.12819.2.A1_at | BJ056722 | gmpr2 | -1.57 |
| Xl.1351.1.A1_at | BG439162 | MGC68638 | -1.57 |
| Xl.15347.1.A1_at | BJ052833 | eps8l1 | -1.57 |
| Xl.17667.1.A1_at | BG811141 | LOC100037144 | -1.57 |
| Xl.25518.1.S1_at | BJ053813 | LOC443659 | -1.57 |
| Xl.7078.2.S1_a_at | BJ078851 | amd1 | -1.57 |
| Xl.1604.1.A1_at | BJ057329 | MGC78986 | -1.56 |
| Xl.7756.1.S1_at | BC043737 | znf750-a | -1.56 |
| Xl.7756.1.S1_at | BC043737 | znf750-a | -1.56 |
| Xl.17407.1.S1_at | BM928994 | sgsm3 | -1.56 |
| Xl.6104.1.A1_at | BJ076947 | rab27a | -1.56 |
| Xl.5679.1.S1_at | BE026676 | nipal4 | -1.55 |
| Xl.16518.1.S1_at | BC042248 | dbp | -1.55 |
| Xl.8098.1.A1_at | BJ090592 | LOC494641 | -1.55 |
| Xl.20084.1.S1_at | BJ056997 | Predicted tcp11l2 | -1.55 |
| Xl.21751.1.S1_at | BG347993 | LOC100189575 | -1.55 |
| Xl.16487.1.S1_at | BC045029 | ehd4 | -1.55 |
| Xl.7523.1.S1_at | D82960 | LOC398141 | -1.54 |
| Xl.377.2.S1_a_at | AY130967 | nr6a1 | -1.54 |
| Xl.9247.1.A1_at | BG438869 | elf1 | -1.54 |
| Xl.23267.1.S1_at | BC044298 | dnajb14 | -1.54 |
| Xl.22292.1.S1_at | BG017113 | LOC100158394 | -1.53 |
| Xl.15772.1.A1_at | BJ083484 | Unknown | -1.53 |

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| Xl.8004.1.S1_at | AW199480 | Predicted mob1b | -1.53 |
| Xl.2256.1.S1_at | BJ056357 | hal.1 | -1.53 |
| Xl.2698.1.S1_at | BC041749 | MGC53587 | -1.53 |
| Xl.15057.1.A1_at | BJ081522 | kiaa1324l | -1.53 |
| Xl.13666.1.A1_x_at | BJ091634 | Predicted slc25a24-a | -1.53 |
| Xl.1011.1.S1_at | AB038496 | prss27 | -1.53 |
| Xl.917.1.S1_at | AB034702 | crx-a | -1.53 |
| Xl.10887.1.A1_at | BM172535 | LOC496380 | -1.52 |
| Xl.21920.1.S1_at | BC043746 | slc19a3 | -1.51 |
| Xl.24391.1.A1_at | BJ092498 | Predicted hexokinase -2-like | -1.51 |
| Xl.12783.1.A1_at | BJ055803 | Unknown | -1.51 |
| Xl.2715.1.S1_at | BG555028 | atp6v0a4 | -1.51 |
| Xl.10182.1.A1_at | BJ043711 | Predicted LOC100487499 isoform 1 | -1.51 |
| Xl.21239.1.A1_at | BU908560 | EIG121L | -1.50 |
| Xl.7919.1.S1_at | BJ090309 | MGC81684 | -1.50 |

**5. Genes upregulated by iFGFR3**

| Affymetrix ProbeSet | Genbank Accession | Gene Symbol | Fold change |
|---|---|---|---|
| Xl.736.1.S1_at | AF310008 | TA-2 | 17.95 |
| Xl.23988.1.S1_at | BJ044287 | Rexp44 mRNA | 14.88 |
| Xl.4965.1.S1_at | AJ278067 | irg1 | 14.42 |
| Xl.8124.1.S1_at | BJ045090 | MGC115642 | 6.96 |
| Xl.2213.1.A1_at | BG022871 | socs3 | 5.09 |
| Xl.24294.1.S1_at | BJ098811 | Cico01 mRNA | 4.52 |
| Xl.16457.1.A1_at | CB563787 | junb | 4.35 |
| Xl.4290.1.S1_at | BC046657 | ptafr | 2.88 |
| Xl.23897.1.S1_at | BQ386549 | cnfn-a | 2.22 |
| Xl.909.1.S1_at | AB018694 | xepsin | 2.02 |
| Xl.12535.1.A1_at | BJ087645 | Predicted clcn6 | 1.91 |
| Xl.16555.1.S1_at | BC043762 | rassf6 | 1.82 |
| Xl.8976.1.S1_at | BG555629 | Unknown | 1.82 |
| Xl.20140.1.A1_at | BI315434 | Predicted muc19-like | 1.75 |
| Xl.16035.1.A1_at | BJ081350 | Unknown | 1.74 |
| Xl.1235.1.S1_at | AF085280 | ras | 1.70 |
| Xl.22152.1.S1_at | BJ045156 | Predicted angpt4 precursor | 1.69 |
| Xl.7618.2.A1_a_at | BG346681 | plscr1 | 1.69 |
| Xl.12642.1.A1_at | BJ091176 | Predicted ChacC | 1.68 |
| Xl.15811.1.A1_at | BJ049061 | txn | 1.68 |
| Xl.9867.1.A1_at | BG019737 | Predicted tiparp | 1.68 |
| Xl.6841.1.A1_at | BG552502 | slc38a5 | 1.63 |
| Xl.2098.1.A1_at | BG486824 | LOC503673 | 1.63 |
| Xl.24634.1.A1_at | CB562143 | serpina1 | 1.59 |
| Xl.1683.1.S1_at | BJ044640 | MGC68910 | 1.59 |
| Xl.13793.1.A1_at | BJ078301 | Predicted map1b | 1.58 |
| Xl.16396.1.S1_at | BC048018 | MGC52622 | 1.57 |
| Xl.9671.1.S1_at | BC042349 | capn8-a | 1.57 |
| Xl.22911.1.A1_at | BJ097463 | cecr1 | 1.54 |
| Xl.19790.1.S1_at | BQ399032 | MGC82544 | 1.54 |
| Xl.9610.1.A1_at | BG038543 | ext1 | 1.53 |
| Xl.23587.1.A1_at | BU911087 | yap1 | 1.52 |
| Xl.1094.1.S1_at | S69801 | fst | 1.52 |
| Xl.1491.1.S1_at | D50552 | sox13 | 1.52 |
| Xl.14402.2.A1_at | BJ092913 | flnc | 1.51 |
| Xl.4440.1.S1_at | BC046372 | gpr160 | 1.50 |
| Xl.17323.1.A1_at | BG023008 | bag2 | 1.50 |
| Xl.13904.1.A1_at | BJ077369 | Predicted LOC100216133 | 1.50 |

**6. Genes downregulated by iFGFR3**

| Affymetrix ProbeSet | Genbank Accession | Gene Symbol | Fold change |
|---|---|---|---|
| Xl.1239.1.S1_at | AW198919 | LOC397911 | -1.81 |
| Xl.4420.1.A1_at | BJ083126 | pkp2 | -1.78 |
| Xl.1616.1.A1_at | BJ083887 | fam115a | -1.69 |
| Xl.25780.1.S1_at | BG016938 | gdf1 | -1.67 |
| Xl.15645.1.S1_at | BJ061898 | dsc3 | -1.65 |
| Xl.15051.1.A1_at | BJ046997 | cinp | -1.63 |
| Xl.847.1.S1_at | L10987 | otog | -1.62 |
| Xl.13379.1.A1_at | BJ085119 | Predicted trpm4-like | -1.60 |
| Xl.14584.1.A1_at | BJ091208 | sbk1 | -1.60 |
| Xl.7246.1.S1_at | BG438768 | Predicted phactr2 | -1.59 |
| Xl.21734.1.A1_at | BJ077150 | thumpd1 | -1.59 |
| Xl.12041.1.A1_at | BG370976 | Predicted zcchc6 | -1.59 |
| Xl.1082.1.S1_at | S93559 | foxa4-b | -1.58 |
| Xl.12938.1.A1_at | BJ092938 | arhgap1-a | -1.54 |
| Xl.16658.2.A1_at | BJ090409 | Predicted FAM55D-like | -1.54 |
| Xl.6302.1.A1_at | BJ052581 | tmbim4 | -1.53 |
| Xl.7571.1.A1_at | BQ387361 | hsph1-a | -1.53 |
| Xl.5859.1.S1_at | BJ081030 | gamt-b | -1.51 |
| Xl.24877.1.S1_at | BG346297 | rps6kb1 | -1.50 |
| Xl.4836.1.A1_s_at | BJ044149 | aldh4a1 | -1.50 |

**7. Genes upregulated by iFGFR4**

| Affymetrix ProbeSet | GenBank Accession | Symbol | Fold Change |
|---|---|---|---|
| Xl.4965.1.S1_at | AJ278067 | irg1 | 2.75 |
| Xl.736.1.S1_at | AF310008 | LOC398207 | 2.28 |
| Xl.8124.1.S1_at | BJ045090 | MGC115642 | 2.02 |
| Xl.9671.1.S1_at | BC042349 | capn8-a | 2.00 |
| Xl.11188.1.S1_at | AW782515 | eps8l3 | 1.93 |
| Xl.23988.1.S1_at | BJ044287 | Rexp44 mRNA | 1.91 |
| Xl.24294.1.S1_at | BJ098811 | Cico01 mRNA | 1.86 |
| Xl.4492.1.A1_at | BE678826 | atg16l1 | 1.82 |
| Xl.269.1.S2_x_at | AF055980 | igf1r | 1.76 |
| Xl.22272.1.A1_at | CD328921 | krt16 | 1.74 |
| Xl.22275.1.S1_at | BJ041762 | api5-a | 1.71 |
| Xl.4290.1.S1_at | BC046657 | ptafr | 1.71 |
| Xl.11602.1.A1_at | AW460740 | Predicted slc12a3 | 1.63 |
| Xl.20140.1.A1_at | BI315434 | Predicted muc19-like | 1.63 |
| Xl.4175.2.A1_at | BJ081456 | Unknown | 1.62 |
| Xl.15329.2.A1_at | BJ075982 | ndfip2 | 1.61 |
| Xl.7720.1.A1_at | BF615090 | Meso05 mRNA | 1.61 |
| Xl.6097.1.S1_at | BJ091445 | Unknown | 1.60 |
| Xl.16231.1.S1_at | BJ046324 | timm10-a | 1.59 |
| Xl.25982.1.S1_at | BJ056119 | Predicted Mov10l1 | 1.59 |
| Xl.10251.1.A1_at | BG811095 | Predicted atp2b4 | 1.58 |
| Xl.15070.1.S1_at | BQ386483 | MGC80314 | 1.58 |
| Xl.15701.1.S1_at | AY150813 | kremen2 | 1.58 |
| Xl.656.1.S1_at | AF163313 | cml | 1.57 |

| | | | |
|---|---|---|---|
| Xl.15089.1.A1_at | BJ056659 | lgals9 | 1.57 |
| Xl.3661.1.S1_at | U44050 | mcm6 | 1.56 |
| Xl.2206.1.S1_at | AF353715 | klf17 | 1.55 |
| Xl.4091.1.A1_at | BF025171 | fhl3 | 1.55 |
| Xl.16035.1.A1_at | BJ081350 | Unknown | 1.54 |
| Xl.16655.1.S1_at | BC047967 | slc16a6 | 1.53 |
| Xl.16690.1.A1_at | BM172616 | Predicted arhgap12 | 1.53 |
| Xl.18899.1.A1_at | BI447680 | Predicted torsin1a interacting protein | 1.52 |
| Xl.880.1.S1_at | L07538 | wnt3a | 1.52 |
| Xl.6134.1.A1_at | AW782303 | Predicted wdr12 | 1.52 |
| Xl.21562.1.S1_at | CB756418 | rasd1 | 1.51 |
| Xl.23938.2.S1_at | CB563963 | laptm4a | 1.50 |

**8. Genes downregulated by iFGFR4**

| Affymetrix ProbeSet | GenBank Accession | Symbol | Fold change |
|---|---|---|---|
| Xl.8976.1.S1_at | BG555629 | Unknown | -1.89 |
| Xl.2659.1.S1_at | BC045045 | atp12a-b | -1.83 |
| Xl.10583.1.S1_at | BC042234 | slc3a2 | -1.76 |
| Xl.15997.1.A1_at | BJ043804 | sytl1 | -1.75 |
| Xl.3789.1.S1_at | BC041714 | cebpa | -1.75 |
| Xl.8821.1.A1_at | BJ077414 | Predicted psph | -1.74 |
| Xl.24572.1.S1_a_at | AB003078 | tnnc2 | -1.70 |
| Xl.5846.1.S1_at | BC046739 | MGC53823 | -1.68 |
| Xl.909.1.S1_at | AB018694 | xepsin | -1.65 |
| Xl.9990.1.A1_at | BM180289 | Predicted Dnase | -1.64 |
| Xl.24769.1.S1_at | BQ387765 | rpp30 | -1.64 |
| Xl.19182.1.S1_at | AF368235 | hmx3 | -1.63 |
| Xl.19213.1.S1_at | BU912806 | mlst8 | -1.62 |
| Xl.18146.1.S1_at | CD303354 | hmp19 | -1.60 |
| Xl.25085.1.A1_at | CB756377 | rab4b | -1.59 |
| Xl.1616.1.A1_at | BJ083887 | fam115a | -1.59 |
| Xl.9829.1.S1_at | BG018208 | foxn4 | -1.58 |
| Xl.12281.1.S1_at | BG162103 | yif1b-a | -1.58 |
| Xl.2665.2.A1_at | BM172523 | des.1-b | -1.57 |
| Xl.19970.1.S1_at | BG409836 | extl2 | -1.57 |
| Xl.17442.1.A1_at | BJ090152 | pcolce2 | -1.56 |
| Xl.12647.1.A1_at | BJ088990 | Predicted paqr5 | -1.56 |
| Xl.26350.1.A1_at | BJ084015 | timp2 | -1.55 |
| Xl.1424.1.S1_a_at | BJ043534 | LOC100127277 | -1.55 |
| Xl.9722.1.S1_a_at | CD326266 | Unknown | -1.55 |
| Xl.16436.1.A1_at | BJ081297 | Predicted G protein receptor | -1.54 |
| Xl.22874.1.A1_at | BJ090165 | ubp1 | -1.52 |
| Xl.5232.1.S1_at | AF309688 | parn | -1.52 |
| Xl.23712.1.S1_at | BG555088 | cnfn-b | -1.52 |
| Xl.8717.1.S1_at | BC041217 | cd81-a | -1.52 |
| Xl.5860.1.S1_x_at | CB560495 | ckm | -1.51 |
| Xl.1165.1.A1_at | X72902 | drd2-b | -1.51 |
| Xl.9058.1.A1_at | BG347632 | mmp3 | -1.51 |

**4. Overlapping genes found by the microarray genelists**

| Overlapping Categories | Number of genes | Genes | | | | | |
|---|---|---|---|---|---|---|---|
| iFGFR1 iFGFR2 iFGFR3 iFGFR4 | 7 | cnfn | capn8 | fam115a | xepsin | Unknown | irg1 |
| | | MGC115642 | | | | | |
| iFGFR1 iFGFR2 iFGFR3 | 6 | plscr1 | MGC68910 | junb | otog | sbk1 | foxa4 |
| iFGFR1 iFGFR2 iFGFR4 | 7 | cd81 | wnt3a | kremen2 | slc3a2 | LOC100127277 | ubp1 |
| | | G protein receptor | | | | | |
| iFGFR1 iFGFR3 iFGFR4 | 2 | Rexp44 mRNA | Cico01 mRNA | | | | |
| iFGFR1 iFGFR2 | 148 | lefty | syt1 | pitx2 | tfap2a | pdgfa | nipal4 |
| | | kcnc3 | elf1 | rab27a | lmo2 | MGC53311 | gdf3 |
| | | fut1 | MGC85058 | sat1 | foxi1 | b3gnt1 | fam3d |
| | | mst1 | dnajb14 | hal.1 | ehd4 | gata3 | ankyrin repeat domain 43 |
| | | tob1 | wnt8a | hoxc6 | amd1 | gprc5c | c4orf31 |
| | | agr3 | slc1a5 | foxd4l1.1 | U8 snoRNA | cmahp | sulfotransferase |
| | | hoxc10 | stard4 | tmem45b | tpbg | eppk1 | gbx2.2 |
| | | ido1 | aldh1l1 | tcf12 | rax | atp1b2 | nuak2 |
| | | LOC496380 | LOC397753 | arl5b | fa2h | eps8l1 | pfkfb3 |
| | | xk81a1 | rasl11b | cldn4L2 | agr2 | LOC398232 | pitx1 |
| | | ventx2.2 | LOC100158288 | znf750 | hoxa7 | gdpd1 | slc19a3 |
| | | MGC68521 | tfap2b | grhl3 | hexokinase -2-like | pou2f1 | prr5 |
| | | esrra | hoxd3 | liph | MGC78986 | tmem169 | kit |
| | | fezf2 | LOC100037100 | tspan1 | LOC100037144 | kiaa1324l | mmp14 |
| | | dynll1 | LOC100158277 | hesx1 | hoxa3 | sgsm3 | sytl2 |
| | | cdx4 | MGC82269 | MGC52875 | ventx3.2 | bcat1 | dusp6 |
| | | dvl3 | LOC494641 | capn9 | EIG121L | hoxc8 | MGC80142 |
| | | loc398404 | anxa9 | Ras dva | egr1 | MGC81684 | foxd5b |
| | | LOC443659 | anxa2 | six3 | tmcc1 | LOC100337617 | crx |
| | | nek6 | wnt11b | fam3a | LOC100487499 | MGC131003 | kitlg |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | slc25a24 | spry2 | ca12 | zfp729 | LOC398437 | grhl1 |
| | | cdx1 | gmpr2 | cfd | glo1 | MGC68655 | mpc2 |
| | | mtus1 | LOC495248 | fzd4 | traf4b | ca2 | ccno |
| | | vill | rab25 | LOC443682 | gata2 | menf.1 | |
| | | LOC398134 | itln1 | MGC80993 | t | hoxa10 | |
| iFGFR1 iFGFR3 | 4 | sox13 | TA-2 | LOC503673 | gdf1 | | |
| iFGFR1 iFGFR4 | 9 | atp12a | MGC53823 | mmp3 | foxn4 | lgals9 | sytl1 |
| | | tnnc2 | cml | des.1 | | | |
| iFGFR2 iFGFR3 | 5 | ptafr | MGC82544 | MGC52622 | socs3 | txn | |
| iFGFR2 iFGFR4 | 5 | laptm4a | krt16 | eps8l3 | rasd1 | paqr5 | |
| iFGFR3 iFGFR4 | 1 | muc19-like | | | | | |
| iFGFR1 | 207 | gsto1 | wnt5a | pacsin2 | pou2f3 | nkx2 | nek2 |
| | | ptch2 | hes6.1 | ap1ar | dapk2 | LOC100137643 | paqr5 |
| | | | | NEDD4-binding protein | | | |
| | | pcdh7 | krt | 3-like | atp2a2 | LOC398688 | prtg |
| | | arg1 | prr4 | cldn1 | pnp | dio3 | uaca |
| | | | ATPase subunit C2- | | | | |
| | | fucolectin | like | tmem38b | c-ets-1 | bmp7.2 | cdh1 |
| | | krt12 | MGC84721 | hes7.1 | cat1 | creb3 | fbn3 |
| | | ada | hic2 | insm1 | fam154b | LOC398260 | ankrd9 |
| | | tbcb | trpm4 | syt2 | MGC81163 | hyal2 | tnfrsf1a |
| | | capns2 | gcm1 | tspan4 | LOC100485898 | krt8.2 | gnb3 |
| | | cetn4 | c1orf21 | schip1 | nek8 | xenf | LOC494785 |
| | | tmem69 | FAM55D-like | nexn | ATPase 13A4 | elf-1 | LOC100036671 |
| | | sfrp2 | foxi4.2 | cdh2 | LOC100497155 | rassf10 | lectin |
| | | xmc | tmpo | Possible ATPase | elovl7 | LOC100486791 | MGC80468 |
| | | LOC100037197 | nkx3-1 | scel | ag1 | hs3st1 | hexd |
| | | LOC100137681 | cab39l | fgfr4 | mreg | hspa5 | itgb1bp2 |
| | | meig1 | smyd1 | LOC100494996 | vangl1 | oaf | glb1l2 |
| | | lrrfip1 | slc16a3 | MGC53924 | camk2g | Possible syt1 | envoplakin |
| | | hes5.2 | serinc2 | LOC733321 | cdc42se2 | tfcp2l1 | tdgf1 |
| | | slc35d1 | slc35a3.2 | LOC446305 | klhl24 | loxl1 | tmem63A |
| | | hk2 | vtcn1 | tsga10 | kctd15 | | Dmx1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | LOC100127290 | |
| | | MGC52585 | LOC100036828 | LOC100127337 | hist1h2am | sox7 | Lapl04 mRNA |
| | | rnft1 | Rexp91 mRNA | phldb1 | gmppa | fbln1 | rnasek |
| | | anion transporter | gpd1 | b3gnt2 | st3gal4 | Meso05 mRNA | superoxide dismutase |
| | | LOC101734664 | FAM55c-like | MGC81002 | mylpf | gmppb | LOC100158300 |
| | | tesc | efhd1 | LOC101730357 | eif1 | elavl3 | mucin-4-like |
| | | fbxl22 | gata4 | tbc1d24.2 | MGC82906 | Hand1 | gs17 |
| | | st3Gal-II | greb1 | fam181a | LOC419301 | atf5.2 | MGC80262 |
| | | angpt4 | fam46a | dlgap4 | degs3 | dlx3 | hapln3 |
| | | wnt5b | hoxb7 | rtn1 | MGC115605 | slc10a3 | myl1 |
| | | LOC100101281 | msx2 | MGC84886 | Plekho1 | thbs4 | itga6-like |
| | | MGC82342 | MGC53335 | tmem181 | dlx6 | LOC496316 | gale |
| | | add1 | HoxD9 | c8orf42 | cldn4 | crabp2 | pmm2 |
| | | osbpl2 | fut6 | ppl | pcdh10 | rnf149 | LOC398485 |
| | | HoxB8 | adenovirus homolog | gna14 | esrp1 | MGC81939 | serpind1 |
| iFGFR2 | 107 | MGC68638 | LOC100497338 | prickle1 | mark2 | LOC443660 | pvrl1 |
| | | LOC100487322 | mafb | atp6v0a4 | cxcr7 | cldn6.1 | gxylt1 |
| | | wnt3 | itga6-like | il1b | Fam55c-like | higd1a | LOC398520 |
| | | scin | elf | prss27 | bhlhe40 | cebpb | tmem188 |
| | | ATPase | cfos | LOC100158394 | pparg | prdm1 | gpx3 |
| | | mix1 | sgsm3 | robo1 | egln3 | ddr1 | T-A |
| | | shh | Rexp44 | ATPase 13a4-like | phf6 | LOC100036879 | slbp |
| | | LOC100036636 | mob1b | c-ets | LOC100490392 | pax6 | Cico01 RNA |
| | | KIF26a | rexp91 | kalrn | aim1l | akap13 | phldb1 |
| | | MGC52924 | plekhn1 | slc43a1 | cebpa | LOC494681 | LOC398141 |
| | | exoc3 | LOC100049150 | cmip | lin28a | btrc | dbp |
| | | Ag2a | sgk223 | LOC100137667 | MGC52890 | MGC82982 | gmc1 |
| | | pkp3 | myd8a | tcp11l2 | MGC53587 | cpne3 | rarres1 |
| | | ventx1.1 | rxrb | smo | LOC100216133 | LOC100189575 | ca14 |
| | | ripk1 | slco2b1 | jund | nr2f2 | nr6a1 | tfe3 |
| | | | | | | NADPH | |
| | | ctnnb1 | cir1 | fzd7 | myo6 | oxidase 1-like | kcnc |
| | | lgalsl | kng1 | atp12 | LOC100487322 | fam174 | LOC100191024 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | prr4 | chn2 | gsc | MGC68744 | | |
| iFGFR3 | 32 | bag2 | ext1 | cinp | dsc3 | gpr160 | pkp2 |
| | | serpina1 | zcchc6 | phactr2 | fst | rps6kb1 | LOC397911 |
| | | cecr1 | ras | hsph1 | trpm4-like | arhgap1 | gamt |
| | | rassf6 | tmbim4 | map1b | FAM55D-like | aldh4a1 | flnc |
| | | thumpd1 | tiparp | ChacC | LOC100216133 | yap1 | angpt4 precursor |
| | | slc38a5 | clcn6 | | | | |
| iFGFR4 | 32 | arhgap12 | atp2b4 | ckm | fhl3 | Mov10l1 | igf1r |
| | | parn | klf17 | extl2 | ptafrslc12a3 | Dnase | torsin1a interacting |
| | | ndfip2 | pcolce2 | rab4b | cebpapsph | MGC80314 | drd2 |
| | | slc16a6 | mcm6 | hmx3 | LOC398207 | yif1b | atg16l1 |
| | | hmp19 | Meso05Unknown | api5 | timm10 | mlst8 | rpp30 |
| | | wdr12 | timp2 | | | | |

RNA-seq Genelists

**10 - Genes upregulated by iFGFR1**

| Gene | Aligns to Source | Genome region | Expression fold-change |
|---|---|---|---|
| FOXA4-B | c.Audic201207_X015973 | JGIv7b.000031469_915655-919113+ | 166.5 |
| FOXA4-B | c.Audic201207_X039184 | JGIv7b.000146669_874246-877928+ | 55.0 |
| POU4F2 | c.Ueno201210eye_X001811 | JGIv7b.000190940_1080000-1081640+ | 52.2 |
| FOXA4-B | c.Chang2013_X041679 | NIGv2.S00005482_210567-214238+ | 38.6 |
| FOXA4-B | c.Taira201203st10_X004823 | NIGv2.S00000078_44808-48405- | 35.9 |
| RNF223 | c.Taira201203stomach_X001511 | JGIv7b.000066475_1968499-1980832- | 26.1 |
| LEFTY-A | c.Audic201207_X034596 | JGIv7b.000102974_5086276-5089519+ | 19.6 |
| IKZF2 | c.Ueno201210st09_X000205 | JGIv7b.000020345_864299-915085+ | 15.5 |
| WNT11B | c.Ueno2012102cells_X000642 | JGIv7b.000036991_2149589-2155869- | 14.1 |
| UNNAMED | c.Chang2013_X002796 | JGIv7b.000006875_1358573-1361506- | 13.2 |
| DUSP5 | c.Quigley201212_X053012 | NIGv2.S00001026_193780-200530+ | 10.6 |
| OSBP | c.Audic201207_X051959 | NIGv2.S00000286_2585-35077+ | 10.3 |
| DUSP5 | c.Quigley201212_X012016 | JGIv7b.000020641_3538718-3561871+ | 9.5 |
| OSBP | c.TXGP201107_X010742 | NIGv2.S00004591_55245-117384- | 9.3 |
| NOT-B | c.Quigley201212_X014344 | JGIv7b.000027038_130890-133875+ | 8.1 |
| SPRY1 | c.Taira201203brain_X010913 | JGIv7b.000088765_2315207-2319681- | 8.0 |
| UNNAMED | c.JGIL6RMv1_XeXenL6RMv10032768m | JGIv7b.000007555_1690594-1693172- | 7.4 |
| FOXD4L1.2 | c.Chang2013_X037957 | JGIv7b.000399468_514029-542898+ | 7.3 |
| SPRY1 | c.Taira201203st09_X003581 | JGIv7b.000112610_1220629-1226046- | 7.2 |
| OSBP | c.TXGP201107_X001151 | JGIv7b.000011978_364042-432008+ | 6.3 |
| FOXB1 | c.UniGene_Xl_S13590653 | JGIv7b.000038656_1756198-1758738+ | 6.0 |
| ADMP | c.Chang2013_X033894 | JGIv7b.000231526_1125358-1130767+ | 5.7 |
| UNNAMED | c.JGIL6RMv1_XeXenL6RMv10025054m | JGIv7b.000016863_2508114-2510618- | 5.6 |
| FOXD4L1.1-B | c.Chang2013_X039478 | NIGv2.S00001139_12051-40798- | 5.2 |
| ZXDC | c.Taira201203eye_X014955 | NIGv2.S00000309_453048-462189- | 5.2 |
| SGK1 | c.Taira201203ovary_X003188 | JGIv7b.000039762_1596878-1614597+ | 5.0 |

| | | | |
|---|---|---|---|
| SPRY1 | c.Amin201106_X029644 | NIGv2.S00003069_305986-309195+ | 5.0 |
| LOC398207 | c.Quigley201212_X033084 | JGIv7b.000094770_18082-25147+ | 4.8 |
| ARL5C | c.XGI_TC426294 | JGIv7b.000075417_5337831-5344493- | 4.7 |
| BTG2 | c.Quigley201112_X018699 | JGIv7b.000196263_531292-533437- | 4.5 |
| SP5L | c.JGIL6RMv1_XeXenL6RMv10032472m | JGIv7b.000070222_2093542-2103684- | 4.3 |
| FOXD4L1.1-B | c.Chang2013_X038965 | NIGv2.S00000686_540615-542511+ | 4.2 |
| TSPAN1 | c.Audic201207_X053503 | NIGv2.S00001300_769342-778120+ | 4.1 |
| ZSWIM4 | c.Ueno2012102cells_X001536 | JGIv7b.000175714_234323-250264- | 4.1 |
| UNNAMED | c.JGIL6RMv1_XeXenL6RMv10028945m | JGIv7b.000043061_1325599-1369985- | 4.1 |
| FOXD4L1.1-B | c.TeperekTkacz201202_X000807 | JGIv7b.000106782_2609184-2610932+ | 4.0 |
| SP5L | c.Chang2013_X040311 | NIGv2.S00002193_122413-127676- | 4.0 |
| ZSWIM4 | c.TXGP201107_X010004 | NIGv2.S00000140_899537-914561+ | 3.9 |
| TSPAN1 | c.Ueno201210kidney_X001802 | JGIv7b.000276272_818115-826957+ | 3.9 |
| CTDSPL | c.Park201106_X027161 | NIGv2.S00002443_4948-59702- | 3.9 |
| UNNAMED | c.Quigley201212_X053887 | NIGv2.S00001621_263619-264537+ | 3.4 |
| ID3 | c.Quigley201212_X005126 | JGIv7b.000008834_232083-234500+ | 3.4 |
| PNP | c.TXGP201107_X009208 | JGIv7b.000272406_956346-987977+ | 3.4 |
| PGBD4 | c.Park201106_X015855 | JGIv7b.000086967_109082-110412- | 3.4 |
| Oct-25 | c.Chang2013_X013645 | JGIv7b.000037448_494399-508009- | 3.3 |
| ID3 | c.Audic201207_X054642 | NIGv2.S00002590_1022943-1025176- | 3.3 |
| MT-ND4L | c.JGIL6RMv1_XeXenL6RMv10002896m | JGIv7b.000323037_5513-7181- | 3.3 |
| PFKFB3 | c.Taira201203st10_X000227 | JGIv7b.000005375_625926-678516+ | 3.2 |
| PTGS2 | c.Ueno201210heart_X000956 | JGIv7b.000078978_2024793-2032785+ | 3.1 |
| QSER1 | c.Quigley201212_X028931 | JGIv7b.000074352_3829490-3877907- | 3.1 |
| IRG1 | c.Quigley201212_X033094 | JGIv7b.000094770_38299-44565+ | 3.0 |
| ZFP36L1 | c.Audic201207_X044942 | JGIv7b.000218195_958966-963341- | 3.0 |
| FOXD4L1.1-A | c.TeperekTkacz201202_X001018 | JGIv7b.000214452_17356-19212- | 2.9 |
| SETD2 | c.JGIL6RMv1_XeXenL6RMv10033051m | NIGv2.S00003637_448414-489792- | 2.9 |
| MRRF | c.TeperekTkacz201206_X001915 | JGIv7b.000034020_290760-308242+ | 2.9 |
| CDC25B-B | c.Quigley201212_X056550 | NIGv2.S00007616_27531-41541+ | 2.9 |

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|---|---|---|---|
| HES1 | c.JGIL6RMv1_XeXenL6RMv10038392m | JGIv7b.000030987_2402981-2405745+ | 2.9 |
| RHOB | c.Ueno201210heart_X001032 | JGIv7b.000093416_2010188-2013106- | 2.9 |
| ZNF629 | c.Taira201203st15_X003375 | NIGv2.S00007957_89052-92237+ | 2.8 |
| CDC25B-A | c.Quigley201212_X014347 | JGIv7b.000027038_1265417-1280660+ | 2.8 |
| PRICKLE1 | c.Taira201203egg_X004705 | JGIv7b.000074339_3116341-3188715- | 2.8 |
| IYD | c.Taira201203intestine_X003967 | JGIv7b.000045784_2485606-2494783- | 2.8 |
| ATP6V0C | c.JGIL6RMv1_XeXenL6RMv10023514m | JGIv7b.000023403_4435801-4447982- | 2.8 |
| POU3F4 | c.Quigley201212_X020593 | JGIv7b.000046073_2406892-2453403+ | 2.8 |
| ATP6V0C | c.XGI_TC428762 | JGIv7b.000000939_2385517-2396566+ | 2.8 |
| PDGFB | c.Quigley201212_X030415 | JGIv7b.000078978_3403347-3420648- | 2.8 |
| UNNAMED | c.Quigley201112_X001095 | JGIv7b.000003737_943400-944398- | 2.7 |
| CDC25B-A | c.Chang2013_X041859 | NIGv2.S00006568_301501-315199- | 2.7 |
| RNF111 | c.Quigley201212_X026207 | JGIv7b.000059883_2180394-2206352- | 2.7 |
| ZFP36L2 | c.Chang2013_X026204 | JGIv7b.000102974_14415127-14420720- | 2.7 |
| CDC25B-B | c.Taira201203kidney_X000277 | JGIv7b.000001168_7102490-7117401- | 2.7 |
| ARID1A | c.Quigley201212_X054694 | NIGv2.S00002590_373032-409653+ | 2.7 |
| YAP1 | c.UniGene_Xl_S55517271 | JGIv7b.000006290_698493-749864- | 2.7 |
| PTGS2 | c.Chang2013_X004724 | JGIv7b.000012423_153604-158988+ | 2.7 |
| TPBG | c.Chang2013_X029203 | JGIv7b.000146478_52070-57563+ | 2.7 |
| RPS3 | c.JGIL6RMv1_XeXenL6RMv10003218m | JGIv7b.000050406_350421-370416- | 2.6 |
| GPX4 | c.Park201106_X000258 | JGIv7a.000101906_462283-468199- | 2.6 |
| MT-ND4L | c.Taira201203st12_X004364 | NIGv2.C23850859_23-547- | 2.6 |
| ID3 | c.JGIL6RMv1_XeXenL6RMv10027462m | JGIv7b.000098463_1551637-1553867+ | 2.6 |
| UNNAMED | c.mgEST_1013119916 | JGIv7b.000217632_684-2008- | 2.6 |
| MXI1 | c.TeperekTkacz201206_X001389 | JGIv7b.000020641_3480668-3492185+ | 2.6 |
| MCMBP | c.Amin201106_X029621 | NIGv2.S00002933_255375-265588- | 2.6 |
| PRICKLE1 | c.TeperekTkacz201206_X005778 | NIGv2.S00000920_346369-410352- | 2.6 |
| ZFP36L2 | c.Park201106_X000114 | JGIv7a.000017698_6247896-6253061+ | 2.6 |
| IRG1 | c.Quigley201212_X017592 | JGIv7b.000036991_115611-122292+ | 2.6 |
| FOXK2 | c.Quigley201212_X040617 | JGIv7b.000163806_1576700-1627098+ | 2.6 |

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|---|---|---|---|
| SALL1 | c.TeperekTkacz201205_X000856 | JGIv7b.000033905_3475663-3497233+ | 2.6 |
| SALL1 | c.Taira201203st12_X000017 | JGIv7a.000020499_457812-477054- | 2.5 |
| POU3F4 | c.Ismailoglu201203_X013681 | NIGv2.S00002741_201687-204164- | 2.5 |
| TRIB2 | c.Audic201207_X032976 | JGIv7b.000093416_6021763-6045133- | 2.5 |
| WHSC2 | c.Quigley201212_X013424 | JGIv7b.000024597_1013702-1040465+ | 2.5 |
| ARID1A | c.TeperekTkacz201205_X002770 | NIGv2.S00003103_73152-114642- | 2.5 |
| TRIB2 | c.Quigley201212_X052794 | NIGv2.S00000877_812197-831768+ | 2.5 |
| UBQLN4 | c.Chang2013_X010550 | JGIv7b.000026819_2815543-2828727- | 2.5 |
| UNNAMED | c.Ueno201210st12_X000337 | JGIv7b.000074488_887627-894002- | 2.5 |
| UNNAMED | c.Taira201203kidney_X001646 | JGIv7b.000011405_882624-883983+ | 2.5 |
| PTCH2-A | c.Ueno201210eye_X002089 | JGIv7b.000325141_1096289-1126340+ | 2.5 |
| PFKFB3 | c.TXGP201107_X010066 | NIGv2.S00000358_1134122-1185330- | 2.4 |
| OCT -91 | c.Chang2013_X041872 | NIGv2.S00006607_4387-6427- | 2.4 |
| LMBRD2 | c.Quigley201212_X023738 | JGIv7b.000052441_5992095-6032818+ | 2.4 |
| UNNAMED | c.JGIL6RMv1_XeXenL6RMv10055418m | JGIv7b.000075417_5512673-5517835- | 2.4 |
| UNNAMED | c.Quigley201212_X054313 | NIGv2.S00002168_444164-451470- | 2.4 |
| FOXK2 | c.Ueno201210ovary_X000574 | JGIv7b.000081941_2354504-2409334- | 2.4 |
| UNNAMED | c.Taira201203heart_X000951 | JGIv7b.000009528_1568246-1645156+ | 2.4 |
| ZFP36L1 | c.Amin201106_X000043 | JGIv7a.000007480_2568139-2572061+ | 2.4 |
| DROSHA | c.Taira201203kidney_X006805 | JGIv7b.000057180_2913941-3058638- | 2.4 |
| CDC25B-A | c.Quigley201212_X000025 | JGIv7a.000001422_178764-193695- | 2.4 |
| SETD2 | c.Taira201203lung_X005942 | JGIv7b.000093635_127204-196840- | 2.4 |
| FAM126B | c.Ueno201210brain_X000726 | JGIv7b.000020345_3471385-3524477+ | 2.3 |
| ZNF629 | c.Quigley201212_X012224 | JGIv7b.000021594_76004-85345+ | 2.3 |
| ZNF214 | c.Taira201203eye_X016061 | NIGv2.S00005637_215-139265+ | 2.3 |
| WASL | c.Chang2013_X038876 | NIGv2.S00000626_1526987-1553647+ | 2.3 |
| STC1 | c.Chang2013_X017838 | JGIv7b.000051940_55199-70780+ | 2.3 |
| DYNLL1-A | c.Audic201207_X053894 | NIGv2.S00001717_2085-4762- | 2.3 |
| PTGS2 | c.Taira201203heart_X008958 | NIGv2.S00003847_492214-500068- | 2.3 |
| UBE2D4 | c.Quigley201212_X053841 | NIGv2.S00001574_1842836-1872122+ | 2.3 |

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|---|---|---|---|
| POU3F1 | c.Chang2013_X039997 | NIGv2.S00001621_254496-259081+ | 2.3 |
| SALL1 | c.XenBase_288557289 | JGIv7b.000062355_1954057-1972637- | 2.3 |
| CHMP2A | c.Taira201203brain_X018099 | NIGv2.S00002094_484041-490219+ | 2.3 |
| CECR2 | c.Quigley201212_X047146 | JGIv7b.000256647_18135-55076- | 2.3 |
| UBE2D4 | c.Taira201203eye_X008955 | JGIv7b.000079772_2548726-2578727- | 2.2 |
| HNRNPA3 | c.TeperekTkacz201205_X002644 | NIGv2.S00000679_862568-872644+ | 2.2 |
| RBM42 | c.Chang2013_X038988 | NIGv2.S00000706_368369-371959- | 2.2 |
| BCL9 | c.TeperekTkacz201206_X005606 | JGIv7b.000399803_808628-838129- | 2.2 |
| UNNAMED | c.Audic201207_X054489 | NIGv2.S00002441_336305-342411- | 2.2 |
| AGMAT | c.Taira201203kidney_X014957 | NIGv2.S00003382_450731-459756+ | 2.2 |
| ARL5C | c.Chang2013_X038725 | NIGv2.S00000489_675387-681630+ | 2.2 |
| CCDC160 | c.Audic201207_X023147 | JGIv7b.000050694_3511837-3515127+ | 2.2 |
| GPRC5C | c.Taira201203kidney_X013921 | JGIv7b.000402746_1345231-1435883+ | 2.2 |
| ABHD15 | c.Taira201203spleen_X004590 | JGIv7b.000159212_666954-684116+ | 2.2 |
| CPEB2 | c.Taira201203st08_X004644 | JGIv7b.000146311_365282-431607- | 2.2 |
| IRX1-B | c.Quigley201112_X010920 | JGIv7b.000057559_47731-52835- | 2.2 |
| UNNAMED | c.Chang2013_X039319 | NIGv2.S00001027_700145-703404+ | 2.1 |
| CA14 | c.Audic201207_X014301 | JGIv7b.000026819_2924131-2951166+ | 2.1 |
| BCL9 | c.Quigley201207_X014499 | NIGv2.S00001884_287121-355017+ | 2.1 |
| HNRNPA3 | c.TeperekTkacz201205_X000128 | JGIv7b.000004321_5551952-5566829+ | 2.1 |
| FBXL14 | c.Quigley201112_X020416 | JGIv7b.000256647_503440-506888+ | 2.1 |
| UBE2R2 | c.XGI_TC417190 | JGIv7b.000169907_3865426-3906484+ | 2.1 |
| CREBBP | c.JGIL6RMv1_XeXenL6RMv10023475m | JGIv7b.000023403_3292998-3363583+ | 2.1 |
| C17ORF63 | c.Taira201203st25_X001759 | JGIv7b.000036364_3720727-3756693+ | 2.1 |
| CAMSAP3 | c.Taira201203brain_X013982 | JGIv7b.000171831_601330-667752- | 2.1 |
| C5ORF15 | c.Audic201207_X011351 | JGIv7b.000017836_1329301-1339385- | 2.1 |
| HNRNPA0 | c.Quigley201207_X013950 | NIGv2.S00000330_13760-15405- | 2.1 |
| CDC42EP4 | c.Audic201207_X000266 | JGIv7a.000026529_1333726-1360157- | 2.1 |
| YY1 | c.Amin201106_X024715 | JGIv7b.000236382_2132334-2149616+ | 2.1 |
| FCN2 | c.Taira201203kidney_X014553 | NIGv2.S00001621_95963-100340+ | 2.1 |

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|---|---|---|---|
| NOTCH3 | c.Park201106_X020666 | JGIv7b.000171831_680633-733284- | 2.1 |
| ETV3 | c.Chang2013_X014268 | JGIv7b.000041091_3521026-3559652- | 2.1 |
| ACOX2 | c.Taira201203kidney_X014616 | NIGv2.S00001847_315152-339798+ | 2.1 |
| CD276 | c.Audic201207_X052520 | NIGv2.S00000663_600421-616317+ | 2.1 |
| DUSP1 | c.UniGene_Xl_S13684642 | JGIv7b.000018892_2914011-2917473+ | 2.1 |
| GPRC5C | c.Chang2013_X038888 | NIGv2.S00000640_561649-567108- | 2.1 |
| MORN2 | c.Chung201110_X007967 | NIGv2.S00000914_155417-172394+ | 2.1 |
| UNNAMED | c.Taira201203kidney_X009137 | JGIv7b.000096766_2029557-2056237+ | 2.1 |
| CRABP2 | c.Taira201203egg_X003235 | JGIv7b.000041091_3369386-3397974- | 2.1 |
| GPRC5C | c.Taira201203eye_X001105 | JGIv7b.000007000_226270-261891- | 2.1 |
| SMURF2 | c.Quigley201212_X040698 | JGIv7b.000163806_4832005-4880003+ | 2.0 |
| CST3 | c.Chang2013_X041680 | NIGv2.S00005502_148526-151519- | 2.0 |
| HP1BP3 | c.Quigley201112_X018100 | JGIv7b.000175822_18694-28456- | 2.0 |
| DYRK1B | c.Taira201203stomach_X001921 | JGIv7b.000102557_219148-291907+ | 2.0 |
| SCARB1 | c.Audic201207_X041239 | JGIv7b.000167265_511996-570757- | 2.0 |
| U2AF1 | c.XGI_TC433037 | JGIv7b.000347078_702320-709716+ | 2.0 |
| A2M | c.Ueno201210st10_X000172 | JGIv7b.000007045_3704835-3735363+ | 2.0 |
| ZFP36L2 | c.Audic201207_X056261 | NIGv2.S00006220_476386-483244- | 2.0 |
| KHSRP | c.Taira201203st10_X003887 | JGIv7b.000175714_268495-294223- | 2.0 |
| UNNAMED | c.Park201106_X017595 | JGIv7b.000108888_148572-173804- | 2.0 |

**11 – Genes downregulated by iFGFR1**

| Gene | Aligns to source: | Genome region | Expression Fold Change |
|---|---|---|---|
| KRT12 | c.XenBase_27696404 | JGIv7b.000013265_3627584-3644405- | -5.3 |
| SLC12A3 | c.TeperekTkacz201206_X004009 | JGIv7b.000111469_66839-126398+ | -5.0 |
| KRT12 | c.Ueno201210st35_X000016 | NIGv2.S00002938_233278-248330+ | -4.1 |
| UNNAMED | c.Amin201106_X030176 | NIGv2.S00005487_252198-256251+ | -3.6 |
| HESX1 | c.JGIL6RMv1_XeXenL6RMv10033507m | JGIv7b.000033876_482101-485204- | -3.2 |
| SNRPG | c.Quigley201212_X009407 | JGIv7b.000014870_225925-236198+ | -3.2 |

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|---|---|---|---|
| HESX1 | c.UniGene_Xl_S13589749 | JGIv7b.000177844_181426-184575+ | -3.0 |
| IFT172 | c.Chung201110_X004537 | JGIv7b.000080529_201168-231666+ | -3.0 |
| SNRPG | c.Park201106_X000036 | JGIv7a.000004727_1139488-1149380- | -3.0 |
| RBM8A | c.JGIL6RMv1_XeXenL6RMv10010425m | JGIv7b.000012462_1741658-1749852+ | -2.9 |
| HIST2H3A | c.TeperekTkacz201206_X004021 | JGIv7b.000111824_6775263-6775607- | -2.8 |
| SNAI1 | c.Amin201106_X029102 | NIGv2.S00001881_253774-258061+ | -2.8 |
| PITPNB | c.Ismailoglu201203_X007692 | JGIv7b.000077809_130001-140882+ | -2.8 |
| PTMA-A | c.Chang2013_X036024 | JGIv7b.000293841_203483-206579+ | -2.7 |
| RBM8A | c.Ueno2012106cells_X002372 | NIGv2.S00002347_114737-122574+ | -2.7 |
| PPIL1 | c.Chang2013_X039410 | NIGv2.S00001083_232616-234252- | -2.6 |
| APPL1 | c.TeperekTkacz201206_X006093 | NIGv2.S00005117_156006-183356- | -2.6 |
| OTUD6B | c.JGIL6RMv1_XeXenL6RMv10002547m | JGIv7b.000022127_9001-21497- | -2.6 |
| TOMM22 | c.Chang2013_X040115 | NIGv2.S00001865_407984-416289- | -2.5 |
| BRP44L-B | c.Quigley201212_X056153 | NIGv2.S00005505_85388-93227- | -2.4 |
| SRP9 | c.Amin201106_X027761 | NIGv2.S00000024_616994-624649- | -2.4 |
| CWC25 | c.Quigley201112_X000013 | JGIv7a.000002298_2384297-2389993+ | -2.4 |
| HES3.1 | c.Chang2013_X039721 | NIGv2.S00001322_2013951-2016303+ | -2.4 |
| HNRPDL | c.Taira201203st15_X003372 | NIGv2.S00007280_40360-44246- | -2.4 |
| FAM55D | c.Ismailoglu201203_X007979 | JGIv7b.000083106_152889-161353+ | -2.4 |
| SGK494 | c.Taira201203eye_X014978 | NIGv2.S00000348_1620323-1629386+ | -2.4 |
| RPL21 | c.Chung201110_X008136 | NIGv2.S00001639_1135756-1148673- | -2.4 |
| TPMT | c.Audic201207_X053187 | NIGv2.S00001069_373040-389472+ | -2.3 |
| RUVBL2 | c.Ueno201210egg_X001199 | JGIv7b.000139674_1787321-1801883+ | -2.3 |
| SNRPD1 | c.Park201106_X000689 | JGIv7b.000001268_1685868-1701614+ | -2.3 |
| RP5-977B1.10 | c.Chang2013_X000311 | JGIv7a.000078524_134965-145190+ | -2.3 |
| HNRPDL | c.JGIL6RMv1_XeXenL6RMv10001854m | JGIv7b.000058878_2007697-2013395- | -2.3 |
| PPIE | c.Ueno2012102cells_X001385 | JGIv7b.000137317_2000210-2012876- | -2.3 |
| HNRNPH1-B | c.Taira201203egg_X006162 | JGIv7b.000140825_732234-746785+ | -2.3 |
| UNNAMED | c.Chang2013_X033037 | JGIv7b.000208071_3368708-3370756+ | -2.3 |
| LDLRAP1 | c.Taira201203st30_X000390 | JGIv7b.000007281_1927654-1960093+ | -2.3 |

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|---|---|---|---|
| UNNAMED | c.Taira201203st08_X004257 | JGIv7b.000107078_130406-136077+ | -2.3 |
| UNNAMED | c.Quigley201207_X005310 | JGIv7b.000044780_1693944-1705020- | -2.2 |
| UNNAMED | c.Amin201106_X019023 | JGIv7b.000107347_2455544-2457909+ | -2.2 |
| RPL39 | c.Quigley201212_X010080 | JGIv7b.000015436_5400196-5404618- | -2.2 |
| SFSWAP | c.Taira201203intestine_X010650 | NIGv2.S00002754_425243-477210+ | -2.2 |
| RPL27A | c.Chang2013_X035887 | JGIv7b.000287959_146467-152199+ | -2.2 |
| MAK16 | c.Taira201203st15_X002384 | JGIv7b.000139741_1526513-1535556- | -2.2 |
| NDUFB6 | c.Quigley201207_X008771 | JGIv7b.000090041_5628093-5636504+ | -2.2 |
| TUBA1A-B | c.mgEST_1013155827 | JGIv7b.000127187_1109513-1113080- | -2.2 |
| COQ4 | c.Quigley201212_X017740 | JGIv7b.000037448_288099-305397+ | -2.2 |
| EIF4A3 | c.Taira201203brain_X010967 | JGIv7b.000089475_854935-897659- | -2.2 |
| MFAP1 | c.Chang2013_X000051 | JGIv7a.000006679_5732770-5737706+ | -2.2 |
| LSM5 | c.Audic201207_X052452 | NIGv2.S00000589_73817-77516- | -2.2 |
| C12ORF45 | c.Ueno201210lung_X000864 | NIGv2.S00004457_446048-448697+ | -2.2 |
| CALCOCO1 | c.Ueno201210st10_X002327 | NIGv2.S00002501_240558-264815- | -2.2 |
| TAF15 | c.Taira201203stomach_X000009 | JGIv7a.000016056_140368-162530+ | -2.2 |
| MDK | c.Chung201110_X002883 | JGIv7b.000043483_642289-654640+ | -2.2 |
| C12ORF45 | c.JGIL6RMv1_XeXenL6RMv10031748m | JGIv7b.000005925_7519623-7523842- | -2.2 |
| C11ORF58 | c.Chang2013_X038804 | NIGv2.S00000548_1067259-1071887+ | -2.2 |
| HNRNPH1-A | c.Audic201207_X022527 | JGIv7b.000048253_786566-811362+ | -2.2 |
| ARG1 | c.Audic201207_X034514 | JGIv7b.000102277_1378103-1389903+ | -2.1 |
| ELOF1 | c.Chang2013_X000313 | JGIv7a.000080025_251822-256641+ | -2.1 |
| PKDCC.2 | c.Ueno201210brain_X000869 | JGIv7b.000027036_317796-362184+ | -2.1 |
| MED9 | c.Chang2013_X022043 | JGIv7b.000074548_369381-382000+ | -2.1 |
| EIF3J | c.Chang2013_X000153 | JGIv7a.000021089_540005-554241+ | -2.1 |
| ANP32A | c.Quigley201212_X053357 | NIGv2.S00001260_397655-405232- | -2.1 |
| RBM8A-A | c.Quigley201112_X023672 | NIGv2.S00002567_199325-202713- | -2.1 |
| ZNF622 | c.Quigley201112_X002635 | JGIv7b.000011199_1862234-1874227+ | -2.1 |
| C8ORF40 | c.Amin201106_X030036 | NIGv2.S00004598_559626-561767- | -2.1 |
| MRTO4 | c.Chung201110_X000032 | JGIv7a.000015632_608771-614811- | -2.1 |

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|---|---|---|---|
| PCBD1 | c.Chang2013_X040476 | NIGv2.S00002416_67527-72806- | -2.1 |
| RPF1 | c.Quigley201207_X003442 | JGIv7b.000024235_1715202-1728596- | -2.1 |
| PPAN-B | c.XGI_TC418418 | NIGv2.S00006828_10160-16544- | -2.1 |
| H2AFJ | c.Ueno2012104cells_X000824 | JGIv7b.000074488_1286181-1298618- | -2.1 |
| HNRNPA1 | c.Taira201203brain_X012675 | JGIv7b.000133382_406820-446822+ | -2.1 |
| PITPNB | c.Taira201203egg_X008593 | NIGv2.S00003591_314926-322588- | -2.1 |
| GLRX | c.JGIL6RMv1_XeXenL6RMv10028215m | JGIv7b.000001187_4083787-4090024+ | -2.1 |
| EIF3B | c.Quigley201112_X000049 | JGIv7a.000009276_5375917-5396714+ | -2.1 |
| CWC25 | c.Quigley201212_X029323 | JGIv7b.000075417_5226786-5234433+ | -2.1 |
| H3F3A | c.Quigley201212_X051737 | NIGv2.S00000233_993527-1000649+ | -2.0 |
| SNRNP70 | c.Amin201106_X027634 | JGIv7b.000402746_367479-382531+ | -2.0 |
| MRPS26 | c.Quigley201212_X000390 | JGIv7a.000106822_27276-34467+ | -2.0 |
| HNRNPH1-A | c.Chang2013_X000118 | JGIv7a.000015444_3784852-3807177- | -2.0 |
| RPL10A | c.Chang2013_X000250 | JGIv7a.000044917_626050-629118+ | -2.0 |
| HNRNPK | c.Taira201203st40_X001865 | JGIv7b.000086871_2140635-2152595- | -2.0 |
| POLR2L.1 | c.XGI_TC463547 | JGIv7b.000021980_2317439-2319477- | -2.0 |
| SRP9 | c.XenBase_148234311 | JGIv7b.000102974_5193679-5201441- | -2.0 |
| GNB3 | c.Quigley201112_X013169 | JGIv7b.000079772_5446576-5470832+ | -2.0 |
| HNRNPH1-B | c.Amin201106_X029551 | NIGv2.S00002804_295426-309569+ | -2.0 |
| RBM8A-A | c.Taira201203ovary_X003602 | JGIv7b.000046492_203712-208136- | -2.0 |
| UNNAMED | c.Ismailoglu201203_X004665 | JGIv7b.000039723_1326545-1329420+ | -2.0 |
| CIRBP | c.mgEST_1013253913 | JGIv7b.000039437_1967966-1973134+ | -2.0 |
| ANP32A | c.Taira201203liver_X003877 | JGIv7b.000325448_345352-354714- | -2.0 |
| HIST2H2AB | c.Chang2013_X035898 | JGIv7b.000287959_3113019-3114049+ | -2.0 |
| PIN4 | c.Chang2013_X013351 | JGIv7b.000036864_3174743-3179026+ | -2.0 |

**12. Genes upregulated by iFGFR4**

| Gene | Aligns to Source: | Genome region | Expression fold-change |
|---|---|---|---|
| ACLY | c.Park201106_X026788 | NIGv2.S00001609_104960-120704- | 44.4 |
| PADI2 | c.JGIL6RMv1_XeXenL6RMv10033213m | JGIv7b.000036295_1002602-1023208- | 30.5 |

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|---|---|---|---|
| MRRF | c.TeperekTkacz201206_X001915 | JGIv7b.000034020_290760-308242+ | 28.6 |
| HBA1 | c.Taira201203st30_X003398 | JGIv7b.000120240_1982132-1984062- | 24.5 |
| MARK4 | c.Taira201203st40_X003255 | NIGv2.S00005156_627695-652388+ | 24.4 |
| SLC25A4 | c.Taira201203eye_X000097 | JGIv7a.000093157_254175-263290- | 22.7 |
| PADI2 | c.TeperekTkacz201206_X006137 | NIGv2.S00007245_10058-34147+ | 15.7 |
| APPL1 | c.TeperekTkacz201206_X006093 | NIGv2.S00005117_156006-183356- | 15.0 |
| CARHSP1 | c.Amin201106_X007374 | JGIv7b.000026364_2644128-2662567+ | 9.7 |
| IFT172 | c.Chung201110_X004537 | JGIv7b.000080529_201168-231666+ | 6.5 |
| NQO1 | c.Chung201110_X008036 | NIGv2.S00001215_83829-96206+ | 6.4 |
| CCNB2 | c.Taira201203kidney_X007160 | JGIv7b.000059883_2168606-2176741- | 6.3 |
| MCMBP | c.Amin201106_X029621 | NIGv2.S00002933_255375-265588- | 6.1 |
| SLC12A3 | c.TeperekTkacz201206_X004009 | JGIv7b.000111469_66839-126398+ | 5.4 |
| CXORF56 | c.Amin201106_X019451 | JGIv7b.000118020_87186-102070- | 5.2 |
| LOC733728 | c.TXGP201107_X003099 | JGIv7b.000032511_552358-563142- | 5.1 |
| KRTCAP3 | c.Amin201106_X030131 | NIGv2.S00005238_57878-69325- | 5.0 |
| FBXW4 | c.Chang2013_X020551 | JGIv7b.000061874_688873-700001+ | 4.7 |
| FRS3 | c.Chang2013_X004216 | JGIv7b.000009994_1616589-1623506- | 4.6 |
| NEDD9 | c.Taira201203heart_X003857 | JGIv7b.000051654_212436-234627- | 4.3 |
| C13ORF15 | c.Taira201203st08_X000568 | JGIv7b.000008129_2441581-2449217+ | 4.1 |
| SPSB1 | c.Quigley201212_X027248 | JGIv7b.000065414_48610-67548+ | 4.0 |
| OAT.1 | c.Audic201207_X000047 | JGIv7a.000002565_100020-118676- | 3.9 |
| SPSB1 | c.Audic201207_X052320 | NIGv2.S00000512_649491-655558+ | 3.9 |
| IER5 | c.Chung201110_X003630 | JGIv7b.000053263_7195493-7198049- | 3.7 |
| DDX39B | c.Amin201106_X015857 | JGIv7b.000075398_1100580-1119081- | 3.7 |
| SSX2IP | c.XenBase_148236336 | JGIv7b.000024235_1612955-1629872+ | 3.7 |
| PATL2 | c.TXGP201107_X000601 | JGIv7b.000006590_5196886-5213377+ | 3.6 |
| MORN2 | c.Chung201110_X007967 | NIGv2.S00000914_155417-172394+ | 3.5 |
| NDUFB8 | c.Chung201110_X008334 | NIGv2.S00003140_77811-90953- | 3.5 |
| MOB3C | c.Taira201203lung_X009424 | NIGv2.S00003101_168454-201204+ | 3.5 |
| SGK1 | c.Taira201203ovary_X003188 | JGIv7b.000039762_1596878-1614597+ | 3.4 |

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|---|---|---|---|
| KLF2 | c.Taira201203brain_X016955 | JGIv7b.000357348_471871-475471+ | 3.4 |
| SPSB1 | c.Audic201207_X027549 | JGIv7b.000066475_149868-163046- | 3.4 |
| PDIA3 | c.Amin201106_X018916 | JGIv7b.000106789_1878320-1894173- | 3.3 |
| MAP1LC3C | c.Chang2013_X020661 | JGIv7b.000062432_227149-233998+ | 3.3 |
| CDCA7 | c.Chang2013_X016983 | JGIv7b.000049342_728889-735053+ | 3.3 |
| RGS4 | c.Taira201203st10_X003952 | JGIv7b.000181903_1352400-1362094- | 3.3 |
| VANGL2 | c.Ueno201210egg_X000601 | JGIv7b.000041091_1975712-2030640+ | 3.3 |
| CCNA1 | c.Quigley201212_X032721 | JGIv7b.000091366_786361-795530+ | 3.2 |
| RNF138 | c.Chang2013_X040712 | NIGv2.S00002774_218588-228009- | 3.2 |
| SPSB1 | c.Taira201203eye_X015081 | NIGv2.S00000590_555846-572578+ | 3.2 |
| CCNA1 | c.Chang2013_X041006 | NIGv2.S00003350_160219-168990- | 3.2 |
| SIVA1 | c.Ueno201210st10_X001965 | JGIv7b.000230550_3128515-3134801- | 3.2 |
| OCT -60 | c.Ueno201210st12_X000686 | NIGv2.S00001621_270628-275793+ | 3.2 |
| SPDYC-B | c.mgEST_1013156593 | JGIv7b.000021980_494497-503231+ | 3.2 |
| CSNK1E | c.Audic201207_X054625 | NIGv2.S00002589_664278-702891- | 3.1 |
| DNAJB14 | c.Park201106_X027317 | NIGv2.S00002782_21805-25261+ | 3.1 |
| CCNB1 | c.JGIL6RMv1_XeXenL6RMv10035758m | JGIv7b.000220499_647410-652378+ | 3.1 |
| TNFSF11 | c.XGI_TC415993 | JGIv7b.000014978_7271141-7282475- | 3.1 |
| TBP | c.TXGP201107_X008044 | JGIv7b.000176005_572262-579759+ | 3.1 |
| BTG4 | c.UniGene_Xl_S14220550 | JGIv7b.000078584_1125227-1127450- | 3.1 |
| CCNA1 | c.Quigley201212_X043616 | JGIv7b.000200825_2199521-2208550+ | 3.1 |
| REEP6 | c.Quigley201212_X056701 | NIGv2.S00013727_36150-40518+ | 3.0 |
| ROMO1 | c.Ueno2012106cells_X002149 | JGIv7b.000345631_1246002-1250872- | 3.0 |
| CCNB1 | c.Ueno201210st09_X001000 | NIGv2.S00000097_65075-71908- | 2.9 |
| UNNAMED | c.TXGP201107_X003472 | JGIv7b.000037448_486318-492292- | 2.9 |
| CITED2 | c.TXGP201107_X010770 | NIGv2.S00004977_24236-61333+ | 2.9 |
| TBP | c.Quigley201207_X000083 | JGIv7a.000042089_691873-698741+ | 2.9 |
| HES2 | c.Audic201207_X032154 | JGIv7b.000087017_2605107-2607011+ | 2.8 |
| CITED2 | c.Taira201203lung_X000289 | JGIv7b.000003036_19-1129- | 2.8 |
| PIM3 | c.Audic201207_X035421 | JGIv7b.000108224_328683-333812+ | 2.8 |

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|---|---|---|---|
| CSNK1E | c.Chang2013_X036098 | JGIv7b.000298452_154108-193571+ | 2.8 |
| ZAR1L | c.JGIL6RMv1_XeXenL6RMv10004417m | JGIv7b.000200825_707245-714280- | 2.8 |
| CCNB1 | c.Chang2013_X038225 | NIGv2.S00000078_323966-328917+ | 2.8 |
| TMEM57 | c.XenBase_59897110 | JGIv7b.000167390_21266-49398- | 2.7 |
| UAP1 | c.TeperekTkacz201206_X004667 | JGIv7b.000181903_1492576-1508305- | 2.7 |
| RAD51D | c.XGI_TC421430 | JGIv7b.000267344_1554170-1569938+ | 2.7 |
| RAD51D | c.XGI_TC421430 | JGIv7b.000267344_1554170-1569938+ 12.08415383433.0660071545 2.73631133869 | 2.7 |
| SSX2IP | c.XGI_TC451478 | JGIv7b.000137809_1838967-1862244+ | 2.7 |
| BTG4 | c.TeperekTkacz201202_X000972 | JGIv7b.000185843_399483-403249+ | 2.7 |
| RASSF3 | c.Taira201203spleen_X000358 | JGIv7b.000005925_322282-417925+ | 2.7 |
| RBM24 | c.Ueno2012104cells_X001046 | JGIv7b.000121479_384572-396468+ | 2.7 |
| CHMP1A | c.Quigley201212_X051081 | JGIv7b.000398601_1827-11556- | 2.7 |
| TTC5 | c.Taira201203lung_X008868 | NIGv2.S00000077_302823-308542- | 2.7 |
| ZFAND2A | c.TXGP201107_X001035 | JGIv7b.000009994_8681051-8693755+ | 2.7 |
| PARP15 | c.Chang2013_X009064 | JGIv7b.000021603_9359704-9378965+ | 2.7 |
| HBA1 | c.Ueno201210st12_X000456 | JGIv7b.000120240_2034592-2044970- | 2.6 |
| SNX10 | c.Taira201203st30_X005028 | NIGv2.S00001230_520830-547530- | 2.6 |
| CCNB1 | c.Chang2013_X012184 | JGIv7b.000032212_7697205-7707852- | 2.6 |
| CDC6 | c.Ueno2012104cells_X000219 | JGIv7b.000013265_3282967-3290855+ | 2.6 |
| UNNAMED | c.Audic201207_X036836 | JGIv7b.000125077_505053-507505+ | 2.6 |
| COX5B.2 | c.mgEST_1013088791 | JGIv7b.000203187_564639-572568- | 2.6 |
| RIF1 | c.UniGene_Xl_S60885257 | JGIv7b.000004321_14052078-14104109- | 2.6 |
| DUSP22 | c.UniGene_Xl_S20755577 | JGIv7b.000274508_1364859-1406902- | 2.6 |
| ALDH2 | c.JGIL6RMv1_XeXenL6RMv10040201m | JGIv7b.000025254_4358924-4376397+ | 2.6 |
| DEPDC4 | c.Audic201207_X034415 | JGIv7b.000100253_3192496-3205330- | 2.6 |
| LMBRD2 | c.Quigley201212_X023738 | JGIv7b.000052441_5992095-6032818+ | 2.5 |
| UNNAMED | c.Taira201203st30_X000113 | JGIv7b.000002049_1721239-1731925+ | 2.5 |
| PRDX2 | c.XGI_TC424241 | JGIv7b.000055171_763313-771105+ | 2.5 |
| FABP4 | c.JGIL6RMv1_XeXenL6RMv10008819m | JGIv7b.000022127_2889081-2897540+ | 2.5 |

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|---|---|---|---|
| SNX7 | c.mgEST_1013252172 | JGIv7b.000120545_1486943-1527899+ | 2.5 |
| ZNF337 | c.Audic201207_X007264 | JGIv7b.000012518_12603145-12616647+ | 2.5 |
| PRRG1 | c.Chang2013_X038519 | NIGv2.S00000267_3222777-3223253+ | 2.5 |
| DNAJB14 | c.TXGP201107_X007950 | JGIv7b.000167800_1369425-1389999- | 2.5 |
| CHP | c.XenBase_148236366 | JGIv7b.000218195_2686150-2715482- | 2.5 |
| TMEM57 | c.Ismailoglu201203_X005490 | JGIv7b.000047026_493573-514727- | 2.5 |
| KLF2 | c.Chang2013_X039910 | NIGv2.S00001484_754702-758538- | 2.5 |
| ZNF300 | c.Chang2013_X033558 | JGIv7b.000223728_307126-310308+ | 2.5 |
| CCDC117 | c.Taira201203brain_X018472 | NIGv2.S00003454_691237-706773+ | 2.5 |
| TMEM57 | c.Audic201207_X054695 | NIGv2.S00002689_26954-54534- | 2.4 |
| TBP | c.Taira201203st08_X002042 | JGIv7b.000034423_1781424-1792792- | 2.4 |
| PPARG | c.XenBase_38014780 | NIGv2.S00003119_62006-98298- | 2.4 |
| RPAIN | c.TeperekTkacz201202_X001249 | NIGv2.S00003419_1262929-1270325+ | 2.4 |
| GREM1 | | | 2.4 |
| GOLT1B | c.Amin201106_X030315 | NIGv2.S00006552_75449-79526+ | 2.4 |
| SNX10 | c.Taira201203st10_X003152 | JGIv7b.000099185_1240707-1267816- | 2.4 |
| C13ORF15 | c.Taira201203st25_X000983 | JGIv7b.000014978_7745525-7756248- | 2.4 |
| UNNAMED | c.Taira201203pancreas_X002475 | JGIv7b.000162663_1276806-1284586+ | 2.4 |
| LIPH | c.Taira201203st08_X000725 | JGIv7b.000011316_5046664-5065548+ | 2.4 |
| CEBPG | c.TXGP201107_X010361 | NIGv2.S00001380_2151666-2162683+ | 2.4 |
| KIAA0355 | c.Ueno201210egg_X001390 | JGIv7b.000249035_666016-723445+ | 2.4 |
| TRIM14 | c.UniGene_Xl_S14219872 | JGIv7b.000074488_1497018-1508582+ | 2.4 |
| CHMP7 | c.Taira201203kidney_X003977 | JGIv7b.000027313_20393-37906- | 2.4 |
| UNNAMED | c.Taira201203brain_X018123 | NIGv2.S00002155_161459-164407- | 2.4 |
| GREM1 | c.JGIL6RMv1_XeXenL6RMv1004425 | JGIv7b.000049557_885127-888412+ | 2.4 |
| ISM1 | c.TeperekTkacz201202_X000139 | JGIv7b.000012020_11809576-11845053- | 2.4 |
| DNAJC9 | c.Amin201106_X030268 | NIGv2.S00006259_56963-63694+ | 2.4 |
| PIF1 | c.JGIL6RMv1_XeXenL6RMv10012147m | JGIv7b.000067962_340725-351534- | 2.4 |
| TCEB2 | c.Quigley201212_X053864 | NIGv2.S00001595_114830-125047- | 2.4 |
| SLC18A2 | c.XGI_TC416830 | JGIv7b.000139741_1438356-1457109+ | 2.4 |

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|---|---|---|---|
| CCDC68 | c.Chang2013_X041113 | NIGv2.S00003474_201149-229730- | 2.4 |
| ACO2 | c.Amin201106_X028808 | NIGv2.S00001315_1221169-1241309+ | 2.4 |
| PIM3 | c.Quigley201212_X039731 | JGIv7b.000152894_17327-23415- | 2.3 |
| FAM177A1 | c.Amin201106_X025404 | JGIv7b.000265107_1397790-1409483+ | 2.3 |
| RNF8 | c.Ueno2012102cells_X001705 | JGIv7b.000256136_750566-757156+ | 2.3 |
| C19ORF44 | c.Ismailoglu201203_X008318 | JGIv7b.000090041_5824040-5831999- | 2.3 |
| DEPDC7 | c.Quigley201112_X010106 | JGIv7b.000051988_3615759-3631460+ | 2.3 |
| GRAMD3 | c.Taira201203eye_X014301 | JGIv7b.000332973_1550687-1602350- | 2.3 |
| B9D2 | c.Park201106_X008957 | JGIv7b.000039723_9341434-9344109+ | 2.3 |
| C14ORF109 | c.Taira201203liver_X001461 | JGIv7b.000039723_1331764-1339011- | 2.3 |
| BFAR | c.XGI_TC418564 | JGIv7b.000009994_1592416-1612079- | 2.3 |
| GPKOW | c.Audic201207_X050801 | JGIv7b.000376231_14717-32725- | 2.3 |
| ATL2 | c.Quigley201212_X042339 | JGIv7b.000180104_1646919-1703974- | 2.3 |
| CRY1 | c.Quigley201212_X021579 | JGIv7b.000047533_5654488-5685330+ | 2.3 |
| INSM1 | c.Taira201203egg_X002601 | JGIv7b.000030080_2706723-2717676+ | 2.3 |
| BIRC5.1-B | c.Taira201203egg_X005990 | JGIv7b.000133382_1856472-1859157- | 2.3 |
| RAB21 | c.UniGene_Xl_S17527732 | JGIv7b.000237412_340926-357427- | 2.3 |
| ARHGAP18 | c.XGI_TC418315 | NIGv2.S00001447_15280-42007+ | 2.3 |
| EIF1 | c.Quigley201112_X023222 | NIGv2.S00001391_645171-647700- | 2.3 |
| UAP1 | c.Quigley201112_X009177 | JGIv7b.000047606_5100243-5116395+ | 2.3 |
| TMEM18 | c.Ismailoglu201203_X004936 | JGIv7b.000043061_3754291-3763196- | 2.3 |
| RAB21 | c.Ismailoglu201203_X006060 | JGIv7b.000052352_755272-767082- | 2.3 |
| FRYL | c.Taira201203st25_X001618 | JGIv7b.000032657_3068830-3109249+ | 2.3 |
| CBR4 | c.Audic201207_X009465 | JGIv7b.000014692_9422410-9434441+ | 2.3 |
| BTG3 | c.Amin201106_X021722 | JGIv7b.000160841_3387681-3397411- | 2.2 |
| GNG4 | c.Chang2013_X010110 | JGIv7b.000025196_277278-317283- | 2.2 |
| GLMN | c.JGIL6RMv1_XeXenL6RMv10052860m | JGIv7b.000047606_1433123-1455862+ | 2.2 |
| FAM46B | c.TXGP201107_X006481 | JGIv7b.000098463_2092359-2103126+ | 2.2 |
| GMNN | c.TeperekTkacz201206_X005993 | NIGv2.S00002971_104644-109494+ | 2.2 |
| ZNF300 | c.Taira201203st09_X000193 | JGIv7b.000003552_26743-27560+ | 2.2 |

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|---|---|---|---|
| FGFR1OP2 | c.JGIL6RMv1_XeXenL6RMv10050708m | JGIv7b.000070246_641260-647706+ | 2.2 |
| CSNK1E | c.Taira201203spleen_X003556 | JGIv7b.000078978_5282261-5322709- | 2.2 |
| GRAMD3 | c.Taira201203intestine_X001420 | JGIv7b.000012879_564891-614168- | 2.2 |
| CHMP1A | c.JGIL6RMv1_XeXenL6RMv10041083m | JGIv7b.000010177_1212605-1225218- | 2.2 |
| CPSF4 | c.Quigley201112_X022573 | NIGv2.S00000371_1893358-1895886+ | 2.2 |
| MCM3 | c.TXGP201107_X008579 | JGIv7b.000215439_1169508-1191663- | 2.2 |
| NOG | c.Taira201203brain_X011562 | JGIv7b.000100342_354700-356309- | 2.2 |
| UNNAMED | c.UniGene_Xl_S16181855 | JGIv7b.000019169_2231616-2244772- | 2.2 |
| FOPNL | c.Chang2013_X004220 | JGIv7b.000009994_3745254-3755831- | 2.2 |
| TMEM111.2 | c.Amin201106_X029979 | NIGv2.S00004312_858139-867545+ | 2.2 |
| VLDLR | c.Taira201203st10_X003481 | JGIv7b.000126823_118223-160899- | 2.2 |
| KLHL13 | c.Taira201203brain_X007899 | JGIv7b.000050694_2072891-2126536- | 2.2 |
| ATAT1 | c.XenBase_58403331 | JGIv7b.000134683_522316-556855- | 2.2 |
| PPP1CC | c.XGI_TC418335 | JGIv7b.000025254_4420786-4434616+ | 2.2 |
| CDC42SE2 | c.XGI_TC417024 | JGIv7b.000009266_3529229-3550496+ | 2.2 |
| NDE1 | c.Chang2013_X004144 | JGIv7b.000009994_3653920-3668883+ | 2.2 |
| RNF4 | c.Taira201203st12_X000133 | JGIv7b.000003467_4873946-4889341+ | 2.2 |
| MTHFR | c.Taira201203eye_X010382 | JGIv7b.000108577_106317-135153- | 2.2 |
| STX5 | c.Amin201106_X008522 | JGIv7b.000031469_1757845-1766955- | 2.2 |
| ACOT13 | c.JGIL6RMv1_XeXenL6RMv10055209m | JGIv7b.000133814_5456-9847- | 2.2 |
| TAPT1 | c.Taira201203eye_X011378 | JGIv7b.000146311_74713-112330+ | 2.2 |
| LYRM4 | c.XGI_TC429950 | JGIv7b.000046891_32557-76294- | 2.2 |
| UNNAMED | c.XGI_TC453389 | JGIv7b.000035086_72578-76147- | 2.2 |
| PAPD5 | c.Taira201203st35_X001255 | JGIv7b.000032008_585419-611266- | 2.2 |
| ATG4C | c.XGI_TC462242 | JGIv7b.000053042_1264305-1295314- | 2.2 |
| TMEM169 | c.Chang2013_X009003 | JGIv7b.000021603_174379-181180+ | 2.2 |
| ITPKC | c.XenBase_83405250 | JGIv7b.000039723_10057060-10086843- | 2.1 |
| H1FOO | c.Chang2013_X034727 | JGIv7b.000255257_262055-268442+ | 2.1 |
| ARL2BP | c.XGI_TC422181 | JGIv7b.000033905_3874492-3885266+ | 2.1 |
| ALDOC | c.Audic201207_X017272 | JGIv7b.000035361_3467404-3489396+ | 2.1 |

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|---|---|---|---|
| UNNAMED | c.UniGene_Xl_S25791702 | JGIv7b.000121300_9688-33844+ | 2.1 |
| SNX10 | c.Taira201203intestine_X008223 | JGIv7b.000178713_2590081-2614536- | 2.1 |
| SIRT3.2 | c.Audic201207_X038188 | JGIv7b.000137507_1853230-1871470+ | 2.1 |
| ZNF3 | c.Taira201203brain_X004212 | JGIv7b.000021594_704284-724209- | 2.1 |
| UNNAMED | c.Chang2013_X005252 | JGIv7b.000012518_8294195-8344255- | 2.1 |
| POC5 | c.Chung201110_X008544 | NIGv2.S00010585_13475-41861+ | 2.1 |
| UAP1 | c.Quigley201212_X052410 | NIGv2.S00000616_398194-413500+ | 2.1 |
| DEPDC7 | c.Quigley201212_X054003 | NIGv2.S00001820_537040-557127+ | 2.1 |
| ACO2 | c.Ueno201210heart_X000191 | JGIv7b.000012423_2228713-2250819+ | 2.1 |
| ATG4C | c.Audic201207_X040002 | JGIv7b.000155039_2303502-2327858- | 2.1 |
| LARP6 | c.Taira201203egg_X002993 | JGIv7b.000035716_1966319-1980564- | 2.1 |
| PPHLN1 | c.Quigley201212_X015301 | JGIv7b.000030470_3514159-3571642+ | 2.1 |
| RBM24 | c.XGI_TC417312 | JGIv7b.000011136_1872989-1883587- | 2.1 |
| GMNN | c.Park201106_X027971 | NIGv2.S00005321_186838-188634- | 2.1 |
| PGK1 | c.Amin201106_X029109 | NIGv2.S00001898_865570-878802- | 2.1 |
| GADD45G | c.XGI_TC421689 | JGIv7b.000013576_4101295-4106965+ | 2.1 |
| ACO2 | c.Audic201207_X030539 | JGIv7b.000078978_2882729-2904948- | 2.1 |
| HN1 | c.Chang2013_X038637 | NIGv2.S00000387_384492-395632- | 2.1 |
| GNG10 | c.JGIL6RMv1_XeXenL6RMv10011906m | JGIv7b.000046215_225505-236096- | 2.1 |
| KIAA0889 | c.Taira201203ovary_X004788 | JGIv7b.000071264_2754863-2817946+ | 2.1 |
| NOG | c.Taira201203st35_X003850 | JGIv7b.000373158_1037035-1038876+ | 2.1 |
| SOX13 | c.XenBase_46250057 | JGIv7b.000151578_693353-785783+ | 2.1 |
| PDCD10 | c.Amin201106_X014159 | JGIv7b.000058517_2924605-2943478- | 2.1 |
| PMCH | c.Taira201203brain_X003935 | JGIv7b.000018184_5024474-5028781+ | 2.1 |
| HRAS | c.TeperekTkacz201205_X001797 | JGIv7b.000109526_292263-327631- | 2.1 |
| ZNF484 | c.Taira201203egg_X006088 | JGIv7b.000136952_451253-459505+ | 2.1 |
| DAPK1 | c.Taira201203ovary_X001492 | JGIv7b.000013576_1230568-1320502+ | 2.1 |
| OAT.2 | c.Taira201203st10_X000021 | JGIv7a.000044240_1462478-1479658- | 2.1 |
| ZNF639 | c.TXGP201107_X005028 | JGIv7b.000058994_8462-20315- | 2.1 |
| UNNAMED | c.TXGP201107_X008557 | JGIv7b.000215439_1104601-1114534+ | 2.0 |

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|---|---|---|---|
| FBXO33 | c.Park201106_X026736 | NIGv2.S00001505_834374-839817+ | 2.0 |
| DUS4L | c.Chang2013_X005142 | JGIv7b.000012518_18164100-18178627+ | 2.0 |
| STK35 | c.Chang2013_X002898 | JGIv7b.000007103_501795-506878+ | 2.0 |
| ATP5D | c.mgEST_1013092630 | JGIv7b.000054274_2468502-2472064- | 2.0 |
| NDNL2 | c.UniGene_Xl_S18078526 | JGIv7b.000043648_238817-252510- | 2.0 |
| PDCD10 | c.Amin201106_X025510 | JGIv7b.000267727_608606-626750- | 2.0 |
| CLNS1A | c.JGIL6RMv1_XeXenL6RMv10021444m | JGIv7b.000262000_1405538-1422069+ | 2.0 |
| DEPDC7 | c.Taira201203intestine_X005584 | JGIv7b.000074352_3780008-3800394- | 2.0 |
| GALNT4 | c.XenBase_147907289 | JGIv7b.000070754_794116-833753+ | 2.0 |
| LSM2 | c.Amin201106_X029261 | NIGv2.S00002210_37773-42176- | 2.0 |
| CEP85 | c.Quigley201207_X015122 | NIGv2.S00007337_87917-102249+ | 2.0 |
| SERTAD2 | c.Chang2013_X033798 | JGIv7b.000230550_2789873-2797899+ | 2.0 |
| RND3 | c.JGIL6RMv1_XeXenL6RMv10031510m | JGIv7b.000021603_9128421-9149344- | 2.0 |
| SLC20A1 | c.Ismailoglu201203_X013158 | NIGv2.S00000368_64191-89886- | 2.0 |
| CBX2 | c.Taira201203st40_X002816 | JGIv7b.000277717_37187-63068- | 2.0 |
| NUAK2 | c.Taira201203eye_X015865 | NIGv2.S00003839_264501-280393- | 2.0 |
| SOD1 | c.Taira201203st08_X000445 | JGIv7b.000006590_6414248-6420299- | 2.0 |
| BRF1 | c.Ismailoglu201203_X011522 | JGIv7b.000230550_1877377-2079767+ | 2.0 |
| DEPDC7 | c.Quigley201212_X051448 | NIGv2.S00000039_416616-434040+ | 2.0 |
| HIST1H2AA | c.Taira201203egg_X001018 | JGIv7b.000011316_6703374-6705050+ | 2.0 |

**13 Genes downregulated by iFGFR4**

| Gene | Aligns to Source | Genome region | Expression fold-change |
|---|---|---|---|
| ZEB2 | c.XenBase_8925961 | JGIv7b.000004321_15892491-15987808+ | -18.1 |
| ZEB2 | c.Taira201203st20_X001347 | JGIv7b.000021603_7456409-7551033- | -12.3 |
| LRAT | c.Audic201207_X055311 | NIGv2.S00003495_975186-978844+ | -12.2 |
| ZEB2 | c.Taira201203kidney_X015323 | NIGv2.S00007837_359787-458457+ | -11.8 |
| ZEB2 | c.Taira201203kidney_X000017 | JGIv7a.000002575_192291-280172- | -10.3 |
| CRABP2 | c.Audic201207_X014291 | JGIv7b.000026819_2001871-2017104+ | -9.6 |

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|---|---|---|---|
| AG1-A | c.JGIL6RMv1_XeXenL6RMv10037629m | JGIv7b.000013787_5208193-5215643+ | -8.7 |
| HESX1 | c.UniGene_XI_S13589749 | JGIv7b.000177844_181426-184575+ | -7.8 |
| DYNLL1-A | c.Audic201207_X053894 | NIGv2.S00001717_2085-4762- | -5.3 |
| MDK | c.Chung201110_X002883 | JGIv7b.000043483_642289-654640+ | -5.3 |
| CYP26A1 | c.Chang2013_X000110 | JGIv7a.000014833_4137270-4142183- | -5.0 |
| HESX1 | c.JGIL6RMv1_XeXenL6RMv10033507m | JGIv7b.000033876_482101-485204- | -4.8 |
| PKDCC.2 | c.Ueno201210brain_X000869 | JGIv7b.000027036_317796-362184+ | -4.8 |
| PKDCC.2 | c.Taira201203heart_X005631 | JGIv7b.000102974_12998538-13043290+ | -4.8 |
| NR6A1 | c.Quigley201112_X000037 | JGIv7a.000006263_166884-203776+ | -4.7 |
| CYP26A1 | c.Chang2013_X039292 | NIGv2.S00000972_68480-73355+ | -4.4 |
| ARG1 | c.Audic201207_X034514 | JGIv7b.000102277_1378103-1389903+ | -4.4 |
| CFH | c.Taira201203kidney_X012568 | JGIv7b.000245044_3631680-3797857- | -3.9 |
| ADAP1 | c.Audic201207_X030499 | JGIv7b.000078978_5596836-5611399+ | -3.9 |
| CYP26A1 | c.Ueno201210st10_X000202 | JGIv7b.000007555_3441089-3446814+ | -3.9 |
| NR6A1 | c.Quigley201112_X023210 | NIGv2.S00001385_714320-753033+ | -3.9 |
| TRIM29 | c.Park201106_X024075 | JGIv7b.000287959_1656133-1688834+ | -3.7 |
| SLC27A3 | c.JGIL6RMv1_XeXenL6RMv10013872m | JGIv7b.000012462_395592-403463- | -3.6 |
| ROR2 | c.Ismailoglu201203_X002182 | JGIv7b.000013576_4963312-5056011- | -3.5 |
| STK40 | c.JGIL6RMv1_XeXenL6RMv10015764m | JGIv7b.000298574_255290-267525+ | -3.4 |
| KRT5.7 | c.Taira201203brain_X001103 | JGIv7b.000005732_8831252-8837956- | -3.4 |
| EPPK1 | c.Quigley201212_X055874 | NIGv2.S00004660_124529-182304- | -3.3 |
| CNN2 | c.XGI_TC417055 | JGIv7b.000054274_2567215-2577179- | -3.3 |
| TRIM29 | c.Quigley201212_X054528 | NIGv2.S00002350_692632-725034+ | -3.3 |
| CNN1 | c.XenBase_3746796 | JGIv7b.000039437_1774002-1782237+ | -3.2 |
| FAM55D | c.Ismailoglu201203_X007979 | JGIv7b.000083106_152889-161353+ | -3.2 |
| LRP2 | c.Taira201203testis_X001603 | JGIv7b.000043242_7285838-7393816+ | -3.2 |
| SLC30A8 | c.Quigley201112_X017380 | JGIv7b.000160942_6433391-6462650+ | -3.2 |
| UNNAMED | c.Chang2013_X041601 | NIGv2.S00004944_40501-42272+ | -3.2 |
| GNB3 | c.Quigley201112_X013169 | JGIv7b.000079772_5446576-5470832+ | -3.1 |
| KIAA1324L | c.Quigley201212_X006996 | JGIv7b.000012518_13813324-13861697+ | -3.0 |

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|---|---|---|---|
| LIN28A | c.Taira201203st25_X000544 | JGIv7b.000008834_1121721-1140275- | -3.0 |
| C9 | c.Ismailoglu201203_X006109 | JGIv7b.000052441_7261050-7287758- | -3.0 |
| STARD13 | c.Quigley201212_X015911 | JGIv7b.000031941_1881436-1986425- | -3.0 |
| VIM | c.Quigley201212_X026614 | JGIv7b.000061124_70427-86528- | -3.0 |
| CYP26A1 | c.TeperekTkacz201205_X002611 | NIGv2.S00000318_464174-468759+ | -2.9 |
| VIM | c.Ismailoglu201203_X013259 | NIGv2.S00000766_2696693-2712306+ | -2.9 |
| KIT | c.Taira201203lung_X002929 | JGIv7b.000032657_1734171-1767962- | -2.9 |
| CYP26A1 | c.TeperekTkacz201205_X000583 | JGIv7b.000016863_3785916-3790655+ | -2.9 |
| OTX2 | c.TeperekTkacz201205_X001673 | JGIv7b.000091950_411122-418355+ | -2.9 |
| UPK3B | c.Audic201207_X047411 | JGIv7b.000267344_1483270-1496800- | -2.9 |
| UNNAMED | c.Ismailoglu201203_X003280 | JGIv7b.000024242_674171-676991+ | -2.9 |
| SHROOM3 | c.Taira201203heart_X004291 | JGIv7b.000058878_5502767-5562019- | -2.8 |
| CNN1 | c.Quigley201207_X013837 | NIGv2.S00000082_492864-496632- | -2.8 |
| NR6A1 | c.Ueno201210st20_X000895 | NIGv2.S00000673_537275-562026+ | -2.8 |
| ANGPTL3 | c.Quigley201212_X052087 | NIGv2.S00000405_1066114-1069514- | -2.8 |
| CKAP4 | c.Quigley201112_X023483 | NIGv2.S00002102_42661-49168+ | -2.8 |
| UNNAMED | c.Taira201203heart_X003470 | JGIv7b.000045784_2039071-2113089- | -2.7 |
| UNNAMED | c.Quigley201212_X038159 | JGIv7b.000135348_2833347-2910067- | -2.7 |
| MCM6.2-B | c.UniGene_Xl_S13831231 | JGIv7b.000060608_495830-515096- | -2.7 |
| WFDC2 | c.Quigley201112_X018501 | JGIv7b.000187321_2337925-2345788- | -2.7 |
| CKAP4 | c.Quigley201112_X016484 | JGIv7b.000137507_2068193-2074541- | -2.7 |
| MDK | c.Quigley201112_X012346 | JGIv7b.000074352_63252-76586- | -2.7 |
| CYGB | c.Quigley201212_X036348 | JGIv7b.000120240_2355646-2375117- | -2.6 |
| RAX | c.Audic201207_X024176 | JGIv7b.000052441_2501506-2508259- | -2.6 |
| PARP3 | c.Audic201207_X043154 | JGIv7b.000187321_2587167-2606620- | -2.6 |
| PKDCC.1 | c.JGIL6RMv1_XeXenL6RMv10013085m | JGIv7b.000236382_1908213-1923883+ | -2.6 |
| CCND1 | c.XGI_TC422275 | JGIv7b.000074352_1060302-1076913+ | -2.6 |
| ZNF608 | c.Taira201203brain_X002631 | JGIv7b.000012879_1052370-1165078+ | -2.6 |
| KIAA1324L | c.JGIL6RMv1_XeXenL6RMv10009242m | JGIv7b.000033104_5396372-5433588- | -2.6 |
| ZNF740 | c.XenBase_147898513 | JGIv7b.000005732_8194028-8209521- | -2.5 |

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|---|---|---|---|
| AEN | c.Amin201106_X010297 | JGIv7b.000041091_3468250-3477129- | -2.5 |
| UNNAMED | c.Taira201203st40_X003121 | NIGv2.S00001319_1814861-1822370+ | -2.5 |
| LRAT | c.Taira201203eye_X007824 | JGIv7b.000061741_1096071-1112641- | -2.5 |
| DYNLL1 | c.JGIL6RMv1_XeXenL6RMv10042969m | JGIv7b.000113816_508606-510472- | -2.5 |
| DYNLL1 | c.Quigley201212_X055124 | NIGv2.S00003088_565653-567846- | -2.5 |
| OTX2 | c.Quigley201212_X051915 | NIGv2.S00000300_108072-110208- | -2.5 |
| CYP2J2 | c.Chang2013_X033182 | JGIv7b.000214452_9948-52224+ | -2.4 |
| UNNAMED | c.Amin201106_X025116 | JGIv7b.000248633_526499-535913+ | -2.4 |
| ANGPTL3 | c.mgEST_1013086036 | JGIv7b.000005925_1870076-1909413+ | -2.4 |
| LIN28A | c.Park201106_X028195 | NIGv2.S00007337_220421-239976+ | -2.4 |
| ORAOV1 | c.Taira201203st12_X001800 | JGIv7b.000043483_1012989-1020298- | -2.4 |
| XEPSIN | c.Taira201203skin_X003526 | JGIv7b.000132609_46128-75477+ | -2.4 |
| LIG3 | c.JGIL6RMv1_XeXenL6RMv10001947m | JGIv7b.000150750_933402-974025- | -2.4 |
| TPSG1 | c.Audic201207_X037375 | JGIv7b.000132609_88539-98813+ | -2.4 |
| PTRH2 | c.Chung201110_X001263 | JGIv7b.000013523_3440014-3450087- | -2.4 |
| CNN2 | c.Quigley201212_X052425 | NIGv2.S00000641_860802-870505- | -2.4 |
| AGR2 | c.Chung201110_X003762 | JGIv7b.000057216_2613250-2620205- | -2.3 |
| FXYD3 | c.mgEST_1013251433 | JGIv7b.000019916_18854-33417+ | -2.3 |
| CKAP4 | c.JGIL6RMv1_XeXenL6RMv10016662m | JGIv7b.000054336_24051-31518- | -2.3 |
| PARP1 | c.Ismailoglu201203_X008816 | JGIv7b.000102974_4858525-4894562+ | -2.3 |
| FAM55B | c.Park201106_X027114 | NIGv2.S00002314_904499-956201- | -2.3 |
| PRPF39.2 | c.Taira201203st12_X001103 | JGIv7b.000021980_1925557-1957291- | -2.3 |
| RBM34 | c.Taira201203lung_X005379 | JGIv7b.000075417_5233396-5251942- | -2.3 |
| CINP | c.Audic201207_X046200 | JGIv7b.000236382_2970847-2980970- | -2.3 |
| UNNAMED | c.Quigley201212_X006696 | JGIv7b.000012518_76668-87512+ | -2.3 |
| HNRNPR | c.Quigley201207_X004040 | JGIv7b.000030711_1549550-1574750+ | -2.3 |
| DYNLL1 | c.Quigley201207_X004595 | JGIv7b.000036586_112311-114604- | -2.3 |
| PTAFR | c.XenBase_148225481 | JGIv7b.000013204_932024-944528+ | -2.3 |
| UNNAMED | c.JGIL6RMv1_XeXenL6RMv10045325m | JGIv7b.000337760_15901-58446+ | -2.3 |
| PKDCC.1 | c.XGI_TC417985 | NIGv2.S00000053_637642-653407+ | -2.2 |

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|---|---|---|---|
| ARL6IP1 | c.Amin201106_X029507 | NIGv2.S00002733_149987-163003- | -2.2 |
| FTH1 | c.Chang2013_X041004 | NIGv2.S00003324_455821-456877- | -2.2 |
| RPS21 | c.XGI_TC456641 | JGIv7b.000014557_962191-970899- | -2.2 |
| KRT5.7 | c.Taira201203kidney_X011862 | JGIv7b.000200825_6634405-6640781+ | -2.2 |
| CASP6 | c.XGI_TC452334 | JGIv7b.000051940_545160-548822+ | -2.2 |
| LIN28A | c.TeperekTkacz201205_X002748 | NIGv2.S00002590_129600-146832+ | -2.2 |
| C5ORF30 | c.XenBase_148234248 | JGIv7b.000001187_2165049-2174001- | -2.2 |
| UNNAMED | c.Chang2013_X040571 | NIGv2.S00002584_1679464-1680608+ | -2.2 |
| SESN1 | c.TXGP201107_X000908 | JGIv7b.000008355_4543017-4556237- | -2.2 |
| UTP18 | c.Chang2013_X011369 | JGIv7b.000030353_49970-67598+ | -2.1 |
| SRP19 | c.TeperekTkacz201206_X000865 | JGIv7b.000012879_5175567-5182374- | -2.1 |
| TDG | c.XGI_TC417017 | JGIv7b.000005925_7934169-7954927- | -2.1 |
| UNNAMED | c.Chang2013_X033037 | JGIv7b.000208071_3368708-3370756+ | -2.1 |
| GREB1L | c.Quigley201112_X013620 | JGIv7b.000085591_509475-593911+ | -2.1 |
| UNNAMED | c.JGIL6RMv1_XeXenL6RMv10008609m | JGIv7b.000103160_83520-85320- | -2.1 |
| SHISA2 | c.JGIL6RMv1_XeXenL6RMv10028709m | JGIv7b.000137879_671290-673328- | -2.1 |
| ASB3 | c.Amin201106_X011834 | JGIv7b.000047457_291467-304807- | -2.1 |
| CRX-B | c.JGIL6RMv1_XeXenL6RMv10025952m | JGIv7b.000039723_9163473-9172981+ | -2.1 |
| FTH1 | c.JGIL6RMv1_XeXenL6RMv10053072m | JGIv7b.000139674_1673507-1677285+ | -2.0 |
| CRX-A | c.UniGene_Xl_S22245695 | JGIv7b.000050079_2769673-2781629- | -2.0 |
| RPL27A | c.Chang2013_X035887 | JGIv7b.000287959_146467-152199+ | -2.0 |
| HPGD | c.Ismailoglu201203_X012202 | JGIv7b.000272351_96769-138279- | -2.0 |
| TUBA1A-B | c.mgEST_1013155827 | JGIv7b.000127187_1109513-1113080- | -2.0 |
| WDR12 | c.JGIL6RMv1_XeXenL6RMv10042759m | JGIv7b.000139113_1098311-1114621- | -2.0 |
| CDH26 | c.Quigley201212_X024302 | JGIv7b.000053223_277006-322333+ | -2.0 |
| POLR2K | c.JGIL6RMv1_XeXenL6RMv10019863m | JGIv7b.000034503_3942828-3945719- | -2.0 |
| UNNAMED | c.Taira201203st08_X004257 | JGIv7b.000107078_130406-136077+ | -2.0 |
| SRP19 | c.mgEST_1013086260 | NIGv2.S00002506_35793-42413- | -2.0 |
| ZFP36L1 | c.Ismailoglu201203_X013721 | NIGv2.S00003031_949948-957707- | -2.0 |
| HAS-RS | c.Ismailoglu201203_X013818 | NIGv2.S00003642_116689-121596+ | -2.0 |