

Supplement to Figure 1

Full lists of annotations shown on each Chromosome, listed from pter to qter. Position of sequence in April 2003 draft is shown in Megabasepairs (Mb). Known genes are italicized. Annotations omitted due to ambiguous map location are also indicated. Transcripts with restricted expression profiles (see Materials and methods) are indicated as follows: C – expression in cancer tissue, T – expression in testis, R – >50% of transcript is satellite or interspersed repeat.

Chromosome 1

P (118.33–119.83 Mb) *TBX15*, *WARS2*, *BC034623* (T), *BF593564*, *HSD3B2*, *HSD3B1*, *AF252254*, *BC015390* (R), *LOC90874* (C), *PHGDH*, *HMGCS2*, *REGIV*, *ADAM30*, *NOTCH2*. Not shown due to ambiguous map position: *BC012127*.

Q (142.54–144.04 Mb) *AF419618*, *PDE4DIP/KIAA0454*, *SEC22L1* (C); *NOTCH2* (known pseudogene), *TXNIP*, *MGC3200*, *MGC46719*, *RBM8A*, *PEX11B*, *ITGA10*, *FLJ25124*, *PIAS3*, *ZNF364*, *BY55*, *PDZK1 -GAP-* *AL832622*, *PRKAB2*, *FMO5*. *SH120* has been omitted since it is 5' truncated, though this is adjacent to a gap region so it could possibly be a real gene.

Chromosome 2

P (89.14–91.8 Mb including gaps) *L01279*, *BM710776* (R), *AB051438* (R), *AF289610* (R), *BC030764* (R), *BG203753* (C), *AK055838*. Not shown due to ambiguous map location: *U73593*, *AL157496*, *AK095105*, *AF354444*. Not shown due to lack of EST support: *FKSG73*.

Q (94.79–96.29 Mb) *AL137712* (T), *MGC27019*, *BC042429*, *MAL*, *MRPS5*, *FLJ14457*, *ZNF*, *PROM2*, *CSEN*, *CGI-105*, *FLJ14082*, *TRIM43*, *LOC150759* (R), *U28831*, *BC015216* (C/R), *ADRA2B*, *DUSP2*.

Chromosome 3

P (88.7–90.2 Mb) *EPHA3*, *BC001368* (C/R).

Q (94.8–96.3 Mb) *PROS1*, *DKFZp761H079*, *FLJ22609*, *BI458851* (T).

Chromosome 4

P (48.0–49.5 Mb) *TEC*, *BC040993*, *ZAR*, *AB0206336*, *OClA*, *MGC45416*, *FLJ21511*, *AF036272* (R). Not shown due to ambiguous map location: *AF289559*, *AF086134*, *BC016022*.

Q (52.5–54.0 Mb) *D87466*, *SGCB*, *LOC132671*, *FLJ12552*, *FLJ12684*, *AK027267*, *FLJ39514*.

Chromosome 5

P (44.9–46.4 Mb) *HCNI*.

Q (49.4–50.9 Mb) *BG391891*, *FLJ21308*, *AF205205* (R), *BC040654*, *ISL1*.

Chromosome 6

P (57.3–58.8 Mb) *PRIM2A*, *BE295434* (C), *AL831827*, *BC030061*, *BI460935* (T). Not shown: *AK098372* (ambiguous map location).

Q (61.8–63.3 Mb) *MGC26664*. Not shown due to ambiguous map location: *AK026466*, *BC001368*.

Chromosome 7

P (56.25–57.75 Mb) BQ428814 (T), *AL713776* (T), BC035176 (T/R), AL137292 (T), AI829620 (pooled only), AA833553 (T), *AF277624* (C/T), AA412409 (T), BC038782 (T), BF061973 (C). Not shown due to ambiguous map location: BC001368, AL705935, H30679.

Q (60.8–71.3 Mb) BX088677 (T), *BC041841* (T/R), BX103306 (T), BC040831 (T/fetal), AI217324 (T), BX112062 (T).

Chromosome 8

P (42.05–43.55 Mb) *LOC114926*, *CHROMOSOME NB3*, *CHROMOSOME NA6*, *BC032393*, *HOOK3*, *FNTA*, *BC042037*, *FLJ32731*, Not shown due to ambiguous map location: AB062080, AB062076.

Q (46.5–48 Mb) AF015251 (C/R), AI028221 (C/T), BF210146 (C), AK097475 (T/R), AW614036 (C), AA973760 (C), BG216774 (C), AK090892, *D63480*. Not shown due to ambiguous map location: AK027551.

Chromosome 9

P (39.0–40.5 Mb) AK055242 (R), *CASPR3* (variant 1), *BC040528* (copy 1, T), *CASPR3* (variant 2), *BC040528* (copy 2, T), *DKFZP572C163*, BU624424 (*CASP3* related), AK094831, *BC040528* (copy 3, T), *AK095694*, BI829501, AA778557 (T). Not shown due to ambiguous map location: AK027882, CB137313.

Q (63.5–65 Mb) AW271863 (R), AA707452 (T), AK090976 TWICE, AY010114 TWICE - GAP - *PGM5*, *MGC34760*, *PIP5K1B*. Not shown due to ambiguous map location: AF303374, BQ374683, AL833349, BF961645, AK097152, X58089.

Chromosome 10

P (37.75–39.25 Mb) AI733546, *ZNF248*, *ZNF25*, *ZNF33A*, *ZNF37A*, AL833559, BC046442 (T), BC042387 (T). Not shown due to ambiguous map location: BQ441276, U58667.

Q (42.35–43.85 Mb) BC039000 (C/T), BX119654 (C), AI654903 (C), *AK092104*, *ZNF11B*, BC035410 (T), AK092783, *KIAA0187*, AK094093, *RET*, *GALNACT-2*, *LOC221002*, *FXVD4*, *HNRPF*, *ZNF239*. Not shown due to ambiguous map location: X58089, AF027147.

Chromosome 11

P (50.4–52.2 Mb, including gaps) BC001368 (R), BF979841 (T). Not shown due to ambiguous map location: AF189270.

Q (55.1–56.6 Mb) *Trim48* (C), X64985 (T), X64990 (T), *Trim51* (C), *FLJ31393*(C), X64974 (T). Not shown due to ambiguous map location: BC001368.

Chromosome 12

P (33.0–34.5 Mb) *ALG10*.

Q (37.5–39.0 Mb) AL712776 (*ALG10* duplicate - Ensembl gene ID ENSG00000175548), *LOC144402*. Not shown due to ambiguous map location: BE081563.

Chromosome 13

Q (17.95–19.45 Mb) BC035261 (T), AL832753 (T), *TUBA2*, BC036210 (T), BC022083 (T), *TPIP*, *PSPCI*, *ZNF237*. Not shown due to ambiguous map location: BC001368, AB062076.

Chromosome 14

Q (18.1–19.6 Mb) AA526471, BC015199 (R), *LOC91875*, *TEP1*, *APEX1*, *NP*, *RNase 4*, *RNase 6*, *RNase 1*, *RNase 2*, *RNase 3*, *NORG2*.

Chromosome 15

Q (18.25–19.75 Mb) AK097683 (T/C/R), BM725820, AK022428 (R), *BC000975*, AL049242 (R), AF085940 (R), BC012949, *AK093450* (T), *AK097517* (T/R), AK057241 (T), AL137398 (C/T), AL832227 (T/R), AK093817, *AL512723*, AL834140(T), AL703938, M84131(C), AK02771, BG772943 (T), AK058056. Not shown: U79584 (ambiguous map location).

Chromosome 16 genes L-R

P (34.9–36.4 Mb) BC029861, AL833480 (T/C, R), BC029572, BU161495 (C), BC038774 (T/R), BC023607 (C/T), BC038761 (C/T), AK092938 (17B-OH pseudogene), BC016176 (C/R).

Q (46.1–47.6 Mb) *SHCBP1*, *VPS35*, *ORC6L*, *GPT2*, *DNAJA2*, *NETO2*, *CDA08*, *PHKB*

Chromosome 17

P (20.6–22.1 Mb) AK057473 (C/T), AL711205, BC043529, *USP22*, BF727392, *DKFZp566o084*, *C17orf35*, *MAP2K3*, *KCNJ12*, L37691 (C), AK054761, AA770140 (T), *AK096256* (R), *BC019938* (C), AK090937, GAP, BU570205 (T), AK098724 (T/C/R), AK023337 (C/R), *BC031617* (R), *FLJ36000* (C/T). Not shown due to ambiguous map location: BQ653037, AI675651, BU192974, M73628, AF095770.

Q (25.1–26.5 Mb) AA553599 (C), BU195266, *WSB1*, *KSR*, *LGALS9*, *NOS2A*, *BC018092*, *NLK*, *PYY2*, *FLJ40504* (the terminal ~100kb contains an additional 8 annotated genes which are not shown).

Chromosome 18 genes L-R

P (14–15.5 Mb) BC037787 replaced *LOC162655*, BC022023 (T/C/R), AK092114 (C), BC037172, AL137284 (T/R), BF245461 (C/R), AF332606 (T/R). Not shown due to ambiguous map location: AK001448, U03239.

Q (18.38–19.88 Mb) AL832995 (R), *ROCK1*, *FLJ13687*, *SNRPD1*, *ABHD3*, *BC022403*, *GATA6*.

Chromosome 19 L-R

P (22.9–24.4 Mb) AK056585 (R), AL133086(T/R), BC037873 (T/R), *AK096402* (C/R), *AK056739* (R), AK002041 (R), *ZNF91*, BC041431 (C/T/R), *TIZ*, *LOC148213* (C/T), BC046415 (R), BC015383, AK092150 (C/R), *ZNF254*.

Q (32.4–33.9 Mb) U87593 (R), AK094188 (C/R), AK022299, BC045720 (R), BM821906, BQ638943, BC038202 (C/T). Not shown due to ambiguous map location: U92458.

Chromosome 20 genes L-R

P (24.75–26.25 Mb) *AK057704*, *CST7*, *C20orf3*, *ACAS2L*, *V SXI*, *ENTPD6*, *PYGB*, *AF432222*, *DKFZP434P106*, *KIAA0186*, *KIAA0980*, *C20orf147*, *ZNF337*, BC042812 (T/R), BC038849 (R), AK097660 (T/R), *AK095693*, *BC036544*.

Q (29.3–31.8 Mb including gaps) BE551733 (C), AW342060 (pooled), AL117574 (T/R), FRGL (FRG1 pseudogene), *DEFB118*, *DEFB119*, *DEFB120*, *DEFB122* (C),

DEFB123 (C/T), *DEFB124*, *REM*, *HM13*, *IDI*, *COX412*, *BCL2L1*, *C20orf1*, *MYLK2*, *FKHL18* (C), *C20orf57* (with *DUSP15* internal), *C20orf126*, *C20orf160*, *HCK*, *KIAA0255*, *PLAGL2*, *POFUT1*, *KIF3B*, *ASXL1*, *C20orf112*.

Chromosome 21

P (9.93–10.21 Mb) *TPTE* (T), *BAGE* (C/T), AF085984.

Q (13.25–14.75 Mb) *c21orf99* (T), *AF269088* (C/T), *POTE*, *C21orf15*, *c21orf81*, *RBM11*, *ABCC13*, *STCH*. Not shown due to ambiguous map position: R23489, BE694261, AF373036, AJ299441.

Chromosome 22

Q (14.4–15.9 Mb) AL133604 (T), BC016035 (C), BF001177, BU584403, AK056884, BG992862, BE934156, BX089096 (T/R), *CESK1*, *BC031001* (T & R), AK001299 (C), AK097082 (R), AK095032 (C/T), BC017420 (C/R), BM853542 (C), BC038197 (C), *AK098608*, AI873254 (CECR8) (T), AK057252 (T), BI458450 (CECR7), *S80864* (C/R), *IL17R*, *CECR6*, *CECR5*, *CECR4*, *CECR1*. Not shown due to ambiguous map location: AA311373, BC015119, AF103575, Z68959, Z68967. Not shown due to lack of EST support: AY026350.

Chromosome X

P (55.75–57.25 Mb) *SPIN2*, AK096718, *FLJ31204*, *ZXDB*, AK026387, *ZXDA*. Not shown: AK093778 (ambiguous map location).

Q (60.25–61.75 Mb) AK056835, BC043412, BM808667, *ARHGEF9*, *FLJ39827*, *ASB12*, *MTMR8*.

Chromosome Y

P (8.6–10.1 Mb) AJ297963 (T), AF332240 (T), *M98525* (T) MANY COPIES, U94386 (T), *AF332235* (T), *AF332233* (T), BG208888 (C).

Not shown due to lack of EST support:

Q (13.1–14.6 Mb) BM468255 (C), BF026648 (C/R), AL080135 (T/R), *AF000986/USP9Y*, *BC034942/DBY*.