

Additional file 5. TS candidate genes

Gene name	Selected by	Present in SAM _{intersect}	Localization	References (Search query "neuroblastoma AND tumour suppressor")
CACNA2D3	Thorell et al., 2009	y	3p21.1	Thorell K et al., BMC Med Genomics. 2009 Aug 17;2:53.
CAMTA1	Vermeulen et al., 2009	y	1p36.31-26.23	Henrich KO et al., Cancer Res. 2011 Apr 15;71(8):3142-51.
CD44	Vermeulen et al., 2009	y	11p13	Hoebeek J et al., Cancer Lett. 2009 Jan 18;273(2):336-46. Taran K et al., Folia Neuropathol. 2007;45(3):126-32.
CDC42	Location	y	1p36.1	Valentijn L J et al., Cancer Res. 2005 Apr 15;65(8):3136-45.
CHD5	Vermeulen et al., 2009	y	1p36.31	White PS et al., Oncogene. 2005 Apr 14;24(16):2684-94. Garcia I et al., Mol Cancer. 2010 Oct 15;9:277. Koyama H et al., Clin Cancer Res. 2012 Mar 15;18(6):1588-97.
CLSTN1	Vermeulen et al., 2009	y	1p36.22	Fransson S et al., Genes Chromosomes Cancer. 2007 Jan;46(1):45-52. Janoueix-Lerosey I et al., Oncogene. 2004 Aug 5;23(35):5912-22.
CNTNAP2	Thorell et al., 2009	y	7p35	Thorell K et al., BMC Med Genomics. 2009 Aug 17;2:53.
CTNNBIP1	Location	y	1p36.2	Fransson S et al., Genes Chromosomes Cancer. 2007 Jan;46(1):45-52.
DKK3	Literature	y	11p15.3	De Brouwer S et al., Int J Cancer. 2012 Jun 1;130(11):2591-8. Haug BH et al., Carcinogenesis. 2011 Jul;32(7):1005-12.
KIF1B	Location	y	1p36.2	Munirajan AK et al., J Biol Chem. 2008 Sep 5;283(36):24426-34. Carén H et al., Mol Cancer. 2005 Mar 1;4(1):10. Krona C et al., Oncogene. 2003 Apr 17;22(15):2343-51. Ochiai H et al., Oncogene. 2010 May 6;29(18):2681-90. Ohira M et al., Oncogene. 2000 Aug 31;19(37):4302-7.
PIK3CD	Location	y	1p36.22	Carén H et al., Br J Cancer. 2007 Nov 19;97(10):1416-24.
PRDM2 (alias RIZ)	Vermeulen et al., 2009	y	1p36.2	Geli J et al., Int J Oncol. 2010 Nov;37(5):1323-30. Hoebeek J et al., Cancer Lett. 2009 Jan 18;273(2):336-46.
PTN	Vermeulen et al., 2009	y	7q33	Nakagawara A et al., Cancer Res. 1995 Apr 15;55(8):1792-7.
SEMA3B	Thorell et al., 2009	y	3p21.31	Nair PN et al., Cancer Genet Cytogenet. 2007 Apr 15;174(2):100-10.
TFAP2B	Thorell et al., 2009	y	6p12.3	Thorell K et al., BMC Med Genomics. 2009 Aug 17;2:53.
CADM1 (alias IGSF4 & TSLC1)	Vermeulen et al., 2009	n	11q23.3	Michels E et al., BMC Cancer. 2008 Jun 17;8:173. Ando K et al., Int J Cancer. 2008 Nov 1;123(9):2087-94.
CASP8	Literature (methylation)	n	2q33.1	Hoebeek J et al., Cancer Lett. 2009 Jan 18;273(2):336-46.
CASZ1	Location	n	1p36.22	Liu Z et al., Cell Death Differ. 2011 Jul;18(7):1174-83. Carén H et al., Br J Cancer. 2007 Nov 19;97(10):1416-24.
CDH1	Literature (methylation)	n	16q22.1	Hoebeek J et al., Cancer Lett. 2009 Jan 18;273(2):336-46.
ENO1	Location	n	1p36.2	Ejeskär K et al., BMC Cancer. 2005 Dec 16;5:161.
GNB1	Vermeulen et al., 2009	n	1p36.33	Thorell K et al., BMC Med Genomics. 2009 Aug 17;2:53. Janoueix-Lerosey I et al., Oncogene. 2004 Aug 5;23(35):5912-22.
KRT19	Literature (methylation)	n	17q21.2	Carén H et al., BMC Cancer. 2011 Feb 11;11:66.
POU4F2	Thorell et al., 2009	n	4q31.2	Thorell K et al., BMC Med Genomics. 2009 Aug 17;2:53.
PTEN	Literature (methylation)	n	10q23.31	Hoebeek J et al., Cancer Lett. 2009 Jan 18;273(2):336-46.
PTPRD	Literature	n	9p24.1	Clark O et al., Cancer Invest. 2012 Jun;30(5):422-32. Meehan M et al., Mol Cancer. 2012 Feb 5;11:6. Stallings RL et al., Cancer Res. 2006 Apr 1;66(7):3673-80.
RASSF1	Literature (methylation)	n	3p21.31	Hoebeek J et al., Cancer Lett. 2009 Jan 18;273(2):336-46. Michalowski MB et al., Pediatr Blood Cancer. 2008 Jan;50(1):29-32.
RASSF5 (alias NORE1A)	Literature (methylation)	n	1q32.1	Djos A et al., Mol Cancer. 2012 Jun 13;11(1):40. Geli J et al., Int J Cancer. 2008 Jul 15;123(2):389-94.
RASSF6	Literature (methylation)	n	4q13.3	Djos A et al., Mol Cancer. 2012 Jun 13;11(1):40.
RASSF7	Literature (methylation)	n	11p15.5	Djos A et al., Mol Cancer. 2012 Jun 13;11(1):40.
SLC35E2	Thorell et al., 2009	n	1p36.33	Thorell K et al., BMC Med Genomics. 2009 Aug 17;2:53.
TNFRSF25 (alias APO3)	Vermeulen et al., 2009	n	1p36.2	Eggert A et al., Eur J Cancer. 2002 Jan;38(1):92-8. Okawa ER et al., Oncogene. 2008 Jan 31;27(6):803-10.
UBE4B	Location	n	1p36.2	Krona C et al., Oncogene. 2003 Apr 17;22(15):2343-51.
ZMYND10	Literature (methylation)	n	3p21.31	Hoebeek J et al., Cancer Lett. 2009 Jan 18;273(2):336-46.

Tumour suppressor genes were found by the PubMed search term "Neuroblastoma AND tumour suppressor", and from previous mining of literature lists according to Vermeulen et al., Lancet Oncol. 2009 July; 10(7): 663–671 (59 gene set) and Thorell et al., BMC Med Genomics 2009 Aug 17;2:53. Present in SAM_{intersect}: genes found in the intersect SAM lists of data sets 1 & 2. y=yes; n=no.