

Table S5: Neuroendocrine phenotype in SV40-TAg-transgenic mouse tumor models

| Mouse strain | promoter (size/location relative to translational start) | tumor location | classification | evidence for classification of tumor (marker) | reference |
|--|--|-------------------------------|---|---|---|
| <i>neuroendocrine tumors</i> | | | | | |
| CEA424-SV40 TAg | human <i>CEACAM5</i> (424 bp) | antrum | neuroendocrine tumor | transcriptome analysis; electron microscopy; immunohistology (CGHA); serotonin in blood | this paper |
| Kit-SV40 TAg | mouse <i>Kit</i> | multiple (pituitary, thyroid) | neuroendocrine tumor | immunohistology (CGHA, ENO2) | Bosse et al. 1997 |
| Vil-Cre-ER ^{T2} x LoxP-SV40 TAg | murine <i>Vil1</i> (9 kb) | colon | neuroendocrine tumor, glandular carcinoma | immunohistology (SYP) | Czeh et al. 2010 |
| CR2-SV40 TAg | mouse <i>Defa2/cryptdin-2</i> (6.5 kb) | prostate | neuroendocrine tumor | immunohistology (CHGA, SYP) | Garabedian et al. 1998 |
| rPB-SV40 TAg | rat <i>Pbsn</i> (-426 to +28 bp) | prostate | neuroendocrine tumor | immunohistology (SYP) | Chiaverotti et al. 2008 |
| 12T-10-SV40 TAg | rat <i>Pbsn</i> (-11,500 to +28 bp) | prostate | neuroendocrine tumor, adenocarcinoma | immunohistology (CGHA) | Masumori et al. 2001 |
| ITF-SV40 TAg | mouse <i>TFF3/ITF</i> (-1,190 to +59) | proximal colon | neuroendocrine tumor | immunohistology (SYP) | Gum et al. 2004 |
| RIP1-Tag2 | rat <i>Ins2</i> | prostate | neuroendocrine tumor | transcriptome analysis (Gcg, Chga, Chgb, Scg2, Sct) ¹ | Hanahan 1985; Djokovic et al. 2010 |
| I-FABP ^{-1178 to +28} -SV40 TAg | rat <i>Fabp2/I-FABP</i> (-1178 to +28) | proximal colon (submucosal) | neuroendocrine tumor | electron microscopy | Kim et al. 1993 |
| GLU-SV40 TAg | rat <i>Ggn</i> (2.1 kb) | colon, pancreas | endocrine tumor | electron microscopy; immunohistology (PYY, GGN) | Lee et al. 1992; Asa et al. 1996 |
| Gy/T-15-SV40 TAg | human <i>fetal Gy globin</i> (4 kb) | prostate | neuroendocrine tumor, epithelial tumor | immunohistology (CGHA, KRT8) | Perez-Stable et al. 1997 |
| ATP4b-SV40 TAg | murine <i>ATP4b</i> (-1,035 to +24) | stomach | neuroendocrine tumor | transcriptome analysis; electron microscopy; immunohistology (CGHA, DDC) | Syder et al. 2004 |
| PYY-SV40 TAg | rat <i>PYY</i> (2.8 kb) | colon | endocrine tumor | immunohistology (SCT, GCG, gastrin, neurotensin, serotonin) | Upchurch et al. 1996 |
| <i>non-endocrine tumors</i> | | | | | |
| Misiir-SV40 TAg | mouse <i>Amhr2/Misiir</i> | ovaries | carcinoma, poorly differentiated | Immunohistology (SYP, KRT8, KRT19) | Connolly et al. 2003 |
| C3(1)-SV40 TAg | rat <i>Psbpc1/C3(1)</i> (5 kb) | mammary gland prostate | adenocarcinoma | | Maroulakou et al. 1994 |
| TRP-1-SV40 TAg | <i>Tyrp1</i> (1.4 kb) | eye | epithelial tumor | Immunohistology (TYRP1, TYR, KRT) | Penna et al. 1998 |
| Tyr-SV40 TAg | mouse <i>Tyr</i> (338 bp) | eye | melanoma (choroidal) | Immunohistology (S-100, gp100) | Syed et al. 1998 |
| WAP-SV40 TAg | mouse <i>Wap</i> (1.4 kb) | mammary gland | adenocarcinoma | Immunohistology (KRT8, KRT18) | Tzeng et al. 1993; Schulze-Garg et al. 2000 |
| SP-C-Sv40 TAg | huma <i>SFTPC</i> (3,683 to +18) | lung | adenocarcinoma | | Wikenheiser et al. 1992 |

¹ Data obtained from <http://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE24603>