

**Table S4: *De novo* genes with different parameters in the computational identification**

<b>Ensembl ID</b>	<b>50% cutoff</b>	<b>Coding exon</b>	<b>Lowest E-value*</b>	<b>Alu Element</b>
ENST00000273641	Yes	4	>1	Yes
ENST00000308946	Yes	2	>1	No
ENST00000315302	No	1	>1	No
ENST00000318659	Yes	1	>1	No
ENST00000324987	Yes	1	>1	No
ENST00000326341 <sup>@</sup>	No	1	>1	No
ENST00000327903	Yes	2	>1	No
ENST00000370523	Yes	2	>1	No
ENST00000370535	Yes	3	>1	No
ENST00000373170	Yes	1	>1	No
ENST00000376812 <sup>@</sup>	Yes	1	>1	Yes
ENST00000377006	No	1	0.317	No
ENST00000377064	No	1	>1	No
ENST00000391430	No	1	>1	Yes
ENST00000391812	Yes	1	0.809	Yes
ENST00000397571	Yes	2	>1	No
ENST00000397608	Yes	1	>1	No
ENST00000399070	No	1	0	Yes
ENST00000400385	No	1	0.092	Yes
ENST00000400449	No	1	>1	Yes
ENST00000400991	Yes	1	>1	Yes
ENST00000408893	Yes	1	>1	No
ENST00000408897	Yes	1	>1	No
ENST00000408913	No	1	>1	No

\*Lowest E-values identified in BLASTP searches.

<sup>@</sup>Genes reported in previous study as human-specific *de novo* protein-coding genes.