

CORRECTION

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# Correction to: Evolutionarily novel genes are expressed in transgenic fish tumors and their orthologs are involved in development of progressive traits in humans

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**Correction to: *Infect Agents Cancer* (2019) 14:46**  
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The original publication of this article [1] contained 4 errors in column 1 of Table 4. In this correction article the errors and updated table are published.

**Errors in original publication:**

1. “Fish notch1b/Human NOTCH2” should be “Fish reck/Human RECK
2. “Fish notch1b/Human NOTCH3” should be “Fish srd5a1/Human SRD5A1
3. “Fish notch1b/Human NOTCH4” should be “Fish wnt7bb/ HumanWNT7B”
4. “Fish notch1b/Human NOTCH5” should be “Fish pparg/Human PPARG”

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**Table 4** Additional human orthologs of fish *TT<sub>Rgt</sub>EEN* genes, according to OMA ortholog search algorithm, with functions that do not exist in fish

Name of gene (Fish gene / Human gene)	GO domain			Selected GO progressive functions not encountered in fish ((Fish gene) / [Human gene])
	Molecular function (Fish gene / Human gene)	Cellular component (Fish gene / Human gene)	Biological process (Fish gene / Human gene)	
Fish <i>atxn11</i> / Human <i>ATXN1L</i>	1 / 3	1 / 5	0 / 10	[NO] / lung alveolus development
Fish <i>id2a</i> / Human <i>ID2</i>	1 / 3	2 / 4	8 / 56	[NO] / epithelial cell differentiation involved in mammary gland alveolus development, mammary gland epithelial cell proliferation, mammary gland alveolus development, ventricular septum development
Fish <i>ccr11.1</i> / Human <i>CX3CR1</i>	3 / 4	2 / 7	4 / 17	[NO] / cerebral cortex cell migration
HFish <i>cntrap2a</i> /Human <i>CNTN</i> <i>AP2</i>	0 / 2	2 / 15	1 / 8	[NO] / cerebral cortex development
Fish <i>mycn</i> / Human <i>MYCN</i>	2 / 7	1 / 3	1 / 20	[NO] / lung development
Fish <i>neflb</i> / Human <i>NEFL</i>	1 / 10	2 / 10	1 / 29	[NO] / cerebral cortex development
Fish <i>notch1b</i> / Human <i>NOTCH1</i>	3 / 15	1 / 20	15 / 162	[NO] / lung development
Fish <i>reck</i> / Human <i>RECK</i>	0 / 5	0 / 4	7 / 8	[NO] / embryo implantation
Fish <i>srd5a1</i> / Human <i>SRD5A1</i>	2 / 7	2 / 11	4 / 40	[NO] / cerebral cortex development
Fish <i>wnt7bb</i> / Human <i>WNT7B</i>	2 / 3	3 / 9	4 / 42	[NO] / trachea cartilage morphogenesis, lobar bronchus development, lung epithelium development, lung development, lung morphogenesis, chorio-allantoic fusion, embryonic placenta morphogenesis, mammary gland epithelium development
Fish <i>pparg</i> / Human <i>PPARG</i>	7 / 30	2 / 8	6 / 81	[NO] / placenta development