

Table S2. Acanthomorphata species bearing the 21-bp exon in their *Pax2.1* gene (see Figure 2) and accession numbers of genomic sequences containing these genes

Species	Genomic sequence AC	Species	Genomic sequence AC
<i>Amphilophus citrinellus</i>	CCOE01000564.1	<i>Pampus argenteus</i>	JHEK01068794.1
<i>Anoplopoma fimbria</i>	AWGY01157159.1	<i>Periophthalmus magnuspinnatus</i>	JACL01008226.1
<i>Boleophthalmus pectinirostris</i>	JACK01029173.1	<i>Periophthalmodon schlosseri</i>	JACM01076439.1
<i>Cynoglossus semilaevis</i>	NW_007584308.1	<i>Poecilia formosa</i>	NW_006799951.1
<i>Cyprinodon nevadensis pectoralis</i>	JSUU01000555.1	<i>Poecilia reticulata</i>	NW_007614917.1
<i>Cyprinodon variegatus</i>	JPKM01000629.1	<i>Pseudopleuronectes yokohamae</i>	BBOV01038679.1
<i>Dicentrarchus labrax</i>	CBXY010000978.1	<i>Pundamilia nyererei</i>	NW_005187550.1
<i>Fundulus heteroclitus</i>	JXMV01114947.1	<i>Scartelaos histophorus</i>	JACN01150698.1
<i>Gadus morhua</i>	CAEA01473814.1	<i>Sebastes nigrocinctus</i>	AUPR01102968.1
<i>Gasterosteus aculeatus</i>	AANH01005104.1	<i>Sebastes rubrivinctus</i>	AUPQ01101565.1
<i>Haplochromis burtoni</i>	NW_005179406.1	<i>Stegastes partitus</i>	NW_007577864.1
<i>Larimichthys crocea</i>	NW_011322448.1	<i>Takifugu flavidus</i>	AOOT01011690.1
<i>Maylandia zebra</i>	NW_004531737.1	<i>Takifugu rubripes</i>	NC_018893.1
<i>Neolamprologus brichardi</i>	NW_006272006.1	<i>Tetraodon nigroviridis</i>	CAAÉ01014563.1
<i>Nothobranchius furzeri</i>	JNBZ01239218.1	<i>Thunnus orientalis</i>	BADN01007783.1
<i>Notothenia coriiceps</i>	NW_011340598.1	<i>Xiphophorus maculatus</i>	NW_005372243.1
<i>Oreochromis niloticus</i>	NT_167486.1		