

Common name	Scientific name	Gene name	Accession Number
Baboon	<i>Papio hamadryas</i>		AAC73047
Chichlid	<i>Astatotilapia burtoni</i>		AAD25074
Chicken	<i>Gallus gallus</i>		NP_001035179
Chimpanzee	<i>Pan troglodytes</i>		AAC73048
Clawed frog	<i>Xenopus laevis</i>		NP_001084353
Dog	<i>Canis lupus familiaris</i>		NP_001003053
Dogfish	<i>Squalus acanthias</i>		AAP55843
Horse	<i>Equus caballus</i>		XP_001504915
Human	<i>Homo sapiens</i>		NP_001011645
Japanese eel	<i>Oryzias latipes</i>	AR α	NP_001098151
	<i>Oryzias latipes</i>	AR β	ABF50763
Macaque	<i>Macaca fascicularis</i>		AAC73050
Macaque	<i>Macaque mulatta</i>		NP_001028083
Minnnow	<i>Pimephales promelas</i>		AAF88138
Mouse	<i>Mus musculus</i>		AAA37234
Nile tilapia	<i>Oreochromis niloticus</i>	AR α	BAB20081
	<i>Oreochromis niloticus</i>	AR β	BAB20082
Pig	<i>Sus scrofa</i>		NP_999479
Rabbit	<i>Oryctolagus cuniculus</i>		AAC48469
Rat	<i>Rattus norvegicus</i>		NP_036634
Red sea bream	<i>Pagrus major</i>		BAA33451
Stickleback	<i>Gasterosteus aculeatus</i>	AR β 1	AAO83573
	<i>Gasterosteus aculeatus</i>	AR β 2	AAO83572
Trout	<i>Oncorhynchus mykiss</i>	AR α	BAA32784
	<i>Oncorhynchus mykiss</i>	AR β	BAA32785
Wrasse fish	<i>Halichoeres trimaculatus</i>		AAG48340
Zebrafinch	<i>Taeniopygia guttata</i>		NP_001070156
Zebrafish	<i>Danio rerio</i>		XP_686520

Supplementary table 2