

**Table S2. List of all *taar* and outgroup genes**

Gene Name	Synonyms	Chromosome	Location	Accession number	EST
Dr_Taar1	zTA1b	20	54463291-54464289	ENSDART00000060779	OE & Brain
Dr_Taar10		20	54426459-54427487	ENSDART00000014396	OE
Dr_Taar10a		20	54432894-54433904	ENSDART00000060795	OE
Dr_Taar10b		20	54453770-54454780	ENSDART00000060783	OE
Dr_Taar10c		20	54436728-54437738	ENSDART00000060791	Embryo
Dr_Taar10d		20	54445152-54446162	ENSDART00000060787	OE
Dr_Taar11	zTA1a	20	54458998-54459981	ENSDART00000007567	OE
Dr_Taar12a		20	46086903-46088501		Brain & OE
Dr_Taar12b	zTA69	20	54490233-54491246	ENSDART00000060770	Brain & OE
Dr_Taar12c		20	54486762-54487778	ENSDART00000060773	Brain & OE
Dr_Taar12d	zTA71	20	46067894-46068859		Brain & OE
Dr_Taar12e		20	54530232-54531245	ENSDART00000060758	OE & Brain
Dr_Taar12f	zTA72	20	54517187-54518200	ENSDART00000060763	OE & Brain
Dr_Taar12g		20	54522272-54523282	ENSDART00000037777	OE & Brain
Dr_Taar12h		20	54538161-54539195	ENSDART00000060754	Brain & OE
Dr_Taar12i		20	54477413-54478435	ENSDART00000060778	OE
Dr_Taar12j		20	54545123-54546145	ENSDART00000060750	Brain & OE
Dr_Taar12k	zTA73	20	216108-217142		OE & Brain
Dr_Taar12l		20	14367272-14368479	ENSDART00000064810	OE
Dr_Taar12m		15	2549861-2551166	ENSDART00000063348	OE
Dr_Taar13a		10	54414291 - 54415313		Brain
Dr_Taar13b	zTA64	20	54407350-54408375	ENSDART00000060799	Brain
Dr_Taar13c	zTA65	20	54388665-54389690	ENSDART00000060803	Brain
Dr_Taar13d		20	54399225-54400250	ENSDART00000060800	Embryo
Dr_Taar13e	zTA66	20	54414300-54419192	ENSDART00000060797	Brain
Dr_Taar14a		20	54353917-54354879	ENSDART00000060806	Embryo
Dr_Taar14b		20	54893962-54894948	ENSDART00000060716	OE
Dr_Taar14c		7	77815446-77818549	ENSDART00000073522	OE
Dr_Taar14d	zTA70	20	54881175-54882161	ENSDART00000060717	OE
Dr_Taar14e		20	54858946-54859932	ENSDART00000060724	OE
Dr_Taar14f		20	54876107-54877093	ENSDART00000060719	OE
Dr_Taar14g		20	54864008-54871387	ENSDART00000060720	OE
Dr_Taar14h		20	54339800-54340762	ENSDART00000060811	OE
Dr_Taar14i	zTA68	20	54335864-54336823	ENSDART00000038379	OE

Dr_Taar14j		20	54330227-54331189	ENSDART00000060815	OE
Dr_Taar14k	zTA67	20	54350249-54351205	ENSDART00000060808	OE
Dr_Taar14l		20	54345473-54346429	ENSDART00000060810	OE
Dr_Taar15a		20	54836241-54837227	ENSDART00000074482	Brain & OE
Dr_Taar15b		20	54383896-54384882	ENSDART00000060804	Embryo
Dr_Taar16a		10	45611149-45612353	ENSDART00000076403	OE
Dr_Taar16b		10	45607700-45606742	ENSDART00000076404	Brain & OE
Dr_Taar16c	zTA63	13	291485-292459		Brain & OE
Dr_Taar16d		13	625049-626563	ENSDART00000082178	OE & Brain
Dr_Taar16e	zTA62	13	633903-639694	ENSDART00000082164	Brain & OE
Dr_Taar16f	zTA36	10	45630716-45629785		Brain & OE
Dr_Taar16g	zTA35	10	45635543-45634495	ENSDART00000076382	Brain & OE
Dr_Taar17a	zTA48	10	45616694-45617728		Brain & OE
Dr_Taar17b	zTA47	10	45624185-45626594	ENSDART00000062763	OE & Brain
Dr_Taar17c	zTA49	10	45625665-45626648		Brain & OE
Dr_Taar18a		10	45541637-45542587	ENSDART00000030565	OE
Dr_Taar18b		10	45575185 -45574090	ENSDART00000085892	OE & Brain
Dr_Taar18c		10	45571055-45569948		OE & Brain
Dr_Taar18d	zTa28	10	45549056-45550027	ENSDART00000085900	Brain & OE
Dr_Taar18e		10	45554908-45553862		OE & Brain
Dr_Taar18f	zTA61	10	45561824-45560848	ENSDART00000076422	Brain & OE
Dr_Taar18g	zTA27	10	45545167-45546210		Brain & OE
Dr_Taar18h	zTA18	10	45579595-45580647		Brain & OE
Dr_Taar18i	zTA19	10	45596234-45597303	ENSDART00000049070	Brain & OE
Dr_Taar18j	zTA20	10	45601887-45602876		Brain & OE
Dr_Taar18k		10	45601833-45602894		OE & Brain
Dr_Taar19a		10	46047546-46048523	ENSDART00000062707	OE & Brain
Dr_Taar19b		10	46083909-46085495		Brain & OE
Dr_Taar19c	zTA54	10	46091169-46092376	ENSDART00000043020	Brain & OE
Dr_Taar19d	zTA34	10	46078311-46079177	ENSDART00000032932	Brain & OE
Dr_Taar19e		10	46052727-46053710	ENSDART00000076331	OE & Brain
Dr_Taar19f	zTA59	10	46066316-46067266		OE & Brain

Dr_Taar19g	zTA33	10	46072194-46073195		Brain & OE
Dr_Taar19h	zTA50	10	45994749-45995753	ENSDART00000080193	Brain & OE
Dr_Taar19i	zTA31	10	46041846-46042847	ENSDART00000062696	Brain & OE
Dr_Taar19j		10	46036393-46037382		Brain & OE
Dr_Taar19k		10	45652022-45652966	ENSDART00000062720	OE & Brain
Dr_Taar19l	zTA32	10	45647528-45648568	ENSDART00000040322	OE & Brain
Dr_Taar19m		10	46000405-46001397		Brain & OE
Dr_Taar19n		10	46010425-46011423	ENSDART00000062709	OE
Dr_Taar19o	zTA51	10	45987464-45988465	ENSDART00000076348	OE & Brain
Dr_Taar19p		13	12610683-12612441	ENSDART00000080187	OE
Dr_Taar19q	zTA29	10	46032382-46037292	ENSDART00000054504	OE & Brain
Dr_Taar19r		10	45670389-45671369	ENSDART00000058034	OE & Brain
Dr_Taar19s	zTA30	10	45656679-45657737		Brain & OE
Dr_Taar19t		10	45660522-45661511		Brain & OE
Dr_Taar19u	zTA16	10	45677535-45678581		Brain
Dr_Taar19v		10	45677589-45678581		Brain
Dr_Taar20a	zTA44	10	45350191-45351246		Brain & OE
Dr_Taar20a1	zTA23	10	45491713-45492579		Brain & OE
Dr_Taar20b	zTA39	10	45356183-45357130	ENSDART00000062778	OE & Brain
Dr_Taar20b1	zTA21	10	45479796-45480845		Brain & OE
Dr_Taar20c	zTA45	10	45397017-45398036	ENSDART00000076430	OE & Brain
Dr_Taar20c1		10	45487291-45486336		OE & Brain
Dr_Taar20d	zTA40	10	45405137-45406132	ENSDART00000085912	Brain & OE
Dr_Taar20d1		10	45497808-45496853		Brain & OE
Dr_Taar20e	zTA38	10	45406138-45405150		Brain & OE
Dr_Taar20f	zTA41	10	45369137-45370150	ENSDART00000046136	Brain & OE
Dr_Taar20g		10	45377510-45378535	ENSDART00000041600	OE & Brain
Dr_Taar20h		10	45366005-45365017		OE & Brain
Dr_Taar20i	zTA43	10	45383272-45384324		Brain & OE
Dr_Taar20j	zTA53	10	45432992-45433981		Brain & OE
Dr_Taar20k	zTA25	10	45516089-45517060		OE & Brain

Dr_Taar20l	zTA57	10	45423213-45424205		Brain & OE
Dr_Taar20m	zTA24	10	45525456-45526454		Brain & OE
Dr_Taar20n		10	45428757-45427769		Brain & OE
Dr_Taar20o	zTA42	10	45471587-45472636		Brain & OE
Dr_Taar20p	zTA90+	10	45466633-45465645		Brain & OE
Dr_Taar20q	zTA91+	10	45460333-45461919		Brain & OE
Dr_Taar20r	zTA37	10	45438081-45447488	ENSDART00000022615	Brain & OE
Dr_Taar20s		10	45532540-45531552		Brain & OE
Dr_Taar20t	zTA56	10	45419797-45420783	ENSDART00000038407	OE & Brain
Dr_Taar20u	zTA55	10	45414238-45415200	ENSDART00000085907	Brain & OE
Dr_Taar20v			BC093335		OE & Brain
Dr_Taar20w	zTA46	10	45437982-45438977		Brain & OE
Dr_Taar20x	zTa26	10	45507567-45508559		OE & Brain
Dr_Taar20y	zTA22	10	45502431-45501443		Brain & OE
Dr_Taar20z	zTA52	10	45501436-45502485		Brain & OE
Ga_Taar21a		groupXVIII	806192-807403	ENSGACT00000005640	
Ga_Taar21b		groupXVIII	849378-850334	ENSGACT00000005649	
Ga_Taar21c		groupXVIII	864851-865838	ENSGACT00000005661	
Ga_Taar22a		groupIX	13760495-13761558	ENSGACT00000024727	
Ga_Taar22b		group-I	22436982_22436003		
Ga_Taar23		groupXVI	15950422-15951745	ENSGACT00000010786	
Ga_Taar24		groupXV	16483483-16485039	ENSGACT00000011049	
Ga_Taar25a		groupXVI	17108838_17107707		
Ga_Taar25b		groupXVI	16450671-16452078	ENSGACT00000010998	
Ga_Taar25c		groupXVI	16978741-16979885	ENSGACT00000011316	
Ga_Taar25d		groupXVI	16460421-16461727	ENSGACT00000011007	
Ga_Taar25e		groupXVI	16467898-16469661	ENSGACT00000011022	
Ga_Taar25f		groupXVI	16974284-16975596	ENSGACT00000011311	
Ga_Taar25g		groupXVI	16946301-16948367	ENSGACT00000011304	
Ga_Taar25h		scaffold_37	867705-869195	ENSGACT00000001187	
Ga_Taar25i		scaffold_37	830907-832333	ENSGACT00000001173	
Ga_Taar25j		scaffold_37	845277-846439	ENSGACT00000001174	
Ga_Taar25k		scaffold_37	852505-855055	ENSGACT00000001178	
Ga_Taar25l		scaffold_37	880733-881869	ENSGACT00000001195	
Ga_Taar26a		scaffold_160	51365:52762:-1		

Ga_Taar26a1		groupXVI	16966117-16967188	ENSGACT00000011310	
Ga_Taar26b		scaffold_37	1893790-1894994	ENSGACT00000001272	
Ga_Taar26b1		scaffold_37	815923-817008	ENSGACT00000001171	
Ga_Taar26c		scaffold_160:	94133:95530:-1		
Ga_Taar26d		scaffold_37	1868618-1869815	ENSGACT00000001270	
Ga_Taar26e		groupXVI	17043139_17042020		
Ga_Taar26f		groupXVI	17028081-17029718	ENSGACT00000011318	
Ga_Taar26g		groupXVI	17077068_17075993		
Ga_Taar26h		groupXVI	4734246_4735368		
Ga_Taar26i		groupXVI	4761489_4762619		
Ga_Taar26j		groupXVI	4753832-4754968	ENSGACT00000002929	
Ga_Taar26k		groupXVI	4855585-4856789	ENSGACT00000002944	
Ga_Taar26l		groupXVI	4814442-4815533	ENSGACT00000002940	
Ga_Taar26m		scaffold_37	1878555:1879952:-1		
Ga_Taar26n		scaffold_56	1059527-1060737	ENSGACT00000002821	
Ga_Taar26o		groupXVI	17164416_17165546		
Ga_Taar26p		scaffold_160	139282:140697:1		
Ga_Taar26q		groupXVI	17057147-17058154	ENSGACT00000011320	
Ga_Taar26r		groupXVI	17085255:17086652:1		
Ga_Taar26s		groupXVI	17095712_17094581		
Ga_Taar26t		groupXVI	17020491_17021620		
Ga_Taar26u		groupXVI	17003486_17004615		
Ga_Taar26v		groupXVI	17175154_17176284		
Ga_Taar26w		groupXVI	17119616:17121019:-1		
Ga_Taar26x		groupXVI	17065776-17066988	ENSGACT00000011323	
Ga_Taar26y		groupXVI	17151885-17152878	ENSGACT00000011329	
Ga_Taar26z		groupXVI	16449795_16448676		
Ga_Taar27		groupI	27258576-27269505	ENSGACT00000020298	
OI_Taar21a		24	10175766-10176731	ENSORLT00000019540	
OI_Taar21b		24	10072258-10074154	ENSORLT00000019531	
OI_Taar21c		24	10186887-10187888	ENSORLT00000019546	
OI_Taar21d		24	10194348-10195725	ENSORLT00000019549	
OI_Taar21e		24	10204903-10205901	ENSORLT00000019555	
OI_Taar21f		24	10166806-10167735	ENSORLT00000019535	
OI_Taar22		2	30183414-30184613	ENSORLT00000007813	
OI_Taar23a		Scaffold691	13484-14893		
OI_Taar23b		21	15078821-15080029	ENSORLT00000017413	
OI_Taar23c		scaffold691	7458-8583	ENSORLT00000023953	
OI_Taar23d		scaffold3620	1585-2740	ENSORLT00000023739	
OI_Taar23e		scaffold4535	1771-2903	ENSORLT00000024697	

Ol_Taar23f		21	15066726-15068348	ENSORLT00000017409	
Ol_Taar23g		21	30824724-30825926	ENSORLT00000022830	
Ol_Taar23h		21	15113170-15114295	ENSORLT00000017425	
Ol_Taar23i		21	15246610-15248028		
Ol_Taar23j		scaffold2246	3196-4302	ENSORLT00000023320	
Ol_Taar23k		21	15257320_15256218		
Ol_Taar23l		21	15276889_15275788		
Ol_Taar23m		21	15334359_15333269		
Ol_Taar23n		21	15312452-15313546	ENSORLT00000017451	
Ol_Taar23o		21	15083894-15085278	ENSORLT00000017421	
Ol_Taar24a		21	30838329-30840233	ENSORLT00000022832	
Ol_Taar24b		21	30845621-30846947	ENSORLT00000022836	
Ol_Taar24c		21	30862260-30863356	ENSORLT00000022838	
Md_Taar1		2	407115274-407116293	ENSMODT00000030995	
Md_Taar2		2	407094705-407095724	ENSMODT00000022248	
Md_Taar3		2	407041839-407042870	ENSMODT00000030996	
Md_Taar4a		2	407018009-407016930		
Md_Taar4b		2	407016970-407029879	ENSMODT00000030998	
Md_Taar5		2	406983915-406984946	ENSMODT00000022251	
Md_Taar6a		2	406873483-406875111		
Md_Taar6b		2	406878994-406880013	ENSMODT00000031001	
Md_Taar6c		2	406861305-406862345	ENSMODT00000022260	
Md_Taar6d		2	406967819-406968859	ENSMODT00000030999	
Md_Taar6e		2	406933774-406934850	ENSMODT00000031000	
Md_Taar6f		2	406909541-406910617	ENSMODT00000022259	
Md_Taar9		2	406713166-406729709	ENSMODT00000022262	
Md_Taar9a		2	406798654-406799547	ENSMODT00000022263	
Md_Taar9b		2	406818556-406819593	ENSMODT00000031002	
Md_Taar9c		2	406834315-406835976		
Md_Taar9d		2	406852655-406854316		
Md_Taar9e		2	406777770-406778840	ENSMODT00000022265	
Md_Taar9f		2	406728666-406729746		
Tr_Taar21a		scaffold_2286	7867-8688	SINFRUT00000131749	

Tr_Taar21b		scaffold_2618	2998-3949	SINFRUT00000181393	
Tr_Taar21c		scaffold_375	193436-194398	SINFRUT00000150779	
Tr_Taar21d		scaffold_2286	2710-3675	SINFRUT00000150777	
Tr_Taar21e		scaffold_682	7142-8116	SINFRUT00000181172	
Tr_Taar21f		scaffold_682	15028-15969	SINFRUT00000175284	
Tr_Taar22a		scaffold_3049	7460-8444	SINFRUT00000168032	
Tr_Taar22b		scaffold_36	1263458-1264444	SINFRUT00000174634	
Tr_Taar22c		scaffold_62	988428-989300	SINFRUT00000171815	
Tr_Taar27		scaffold_144	4933-5793	SINFRUT00000179744	
Tr_Taar28a		scaffold_2971	155-950		
Tr_Taar28b		scaffold_5473	768-1529	SINFRUT00000181876	
Tr_Taar28c		scaffold_347	234123-233001	SINFRUT00000178656	
Tr_Taar28d		scaffold_55	384-1178	SINFRUT00000183354	
Tr_Taar28e		scaffold_347	223711-222590		
Tr_Taar28f		scaffold_7591	430-1508	SINFRUT00000180900	
Tr_Taar28g		scaffold_347	183483-182389		
Tr_Taar28h		scaffold_347	190927-189849		
Tn_Taar21a		14	830088-830960	GSTENT00035509001	
Tn_Taar21b		14	869461-878434	GSTENT00035507001	
Tn_Taar21c		Un_random	124477975- 124478871	GSTENT00011223001	
Tn_Taar22a		3	2466479-2465399		
Tn_Taar22b		3	2461859-2460719		
Tn_Taar22c		3	2455140-2454359		
Tn_Taar22d		3	2457239-2456279		
Tn_Taar22e		3	2468939-2467919	GSTENT00015819001	
Tn_Taar22f		18	5142103-5142852	GSTENT00035829001	
Tn_Taar27a		Un_random	126873732- 126874616	GSTENT00011732001	
Tn_Taar27b		Un_random	126880750- 126881709	GSTENT00011734001	
Tn_Taar27c		Un_random	126905659- 126906669	GSTENT00011735001	
Tn_Taar27d		Un_random	42642638-42643618	GSTENT00009214001	
Tn_Taar27e		Un_random	113714467- 113715447	GSTENT00009350001	
Tn_Taar27f		Un_random	105520168- 105521166	GSTENT00007835001	
Tn_Taar28a		Un_random	45834268-45835045	GSTENT00013017001	
Tn_Taar28b		Un_random	117442902- 117443705	GSTENT00009988001	
Tn_Taar28c		Un_random	91619317-91620063	GSTENT00005517001	
RnTaar1		1	22045364-22046362	ENSRNOT00000021510	
RnTaar2		1	22027912-22028907	ENSRNOT00000035424	

RnTaar3		1	22018606-22019634	ENSRNOT00000035539	
RnTaar4		1	22008118-22009161	ENSRNOT00000047810	
RnTaar5		1	21996992-21998005	ENSRNOT00000061209	
RnTaar6		1	21984658-21985695	ENSRNOT00000021529	
RnTaar7a		1	21977118-21978194	ENSRNOT00000021545	
RnTaar7b		1	21967019-21968095	ENSRNOT00000021559	
RnTaar7c		1	21955553-21956629	ENSRNOT00000050763	
RnTaar7d		1	21934361-21935437	ENSRNOT00000051416	
RnTaar7e		1	21926752-21927828	ENSRNOT00000046379	
RnTaar7g		1	21912398-21913474	ENSRNOT00000044271	
RnTaar7h		1	21898531-21899607	ENSRNOT00000043436	
RnTaar8a		1	21857801-21858925	ENSRNOT00000044098	
RnTaar8b		1	21829913-21830947	ENSRNOT00000045563	
RnTaar8c		1	21814634-21815668	ENSRNOT00000043157	
RnTaar9		1	21799696-21800742	ENSRNOT00000038523	
Mm_Taar1		10	23609822-23610820	ENSMUST00000051532	
Mm_Taar2		10	23630004-23630999	ENSMUST00000079134	
Mm_Taar3		10	23638974-23640005	ENSMUST00000045152	
Mm_Taar4		10	23649910-23650953	ENSMUST00000092660	
Mm_Taar5		10	23660122-23661135	ENSMUST00000092659	
Mm_Taar6		10	23674025-23675062	ENSMUST00000057080	
Mm_Taar7a		10	23681821-23682897	ENSMUST00000078532	
Mm_Taar7b		10	23689355-23690431	ENSMUST00000092658	
Mm_Taar7d		10	23716638-23717714	ENSMUST00000092657	
Mm_Taar7e		10	23727030-23728106	ENSMUST00000092656	
Mm_Taar7f		10	23738926-23740002	ENSMUST00000071691	
Mm_Taar8a		10	23765916-23766950	ENSMUST00000051133	
Mm_Taar8b		10	23780676-23781710	ENSMUST00000092655	
Mm_Taar8c		10	23790294-23791328	ENSMUST00000092654	
Mm_Taar9		10	23797904-23798950	ENSMUST00000041180	
Bt_Taar1		9	63844020-63845624		
Bt_Taar2		9	63821486-63823081		
Bt_Taar3		9	63810823-63812451		
Bt_Taar4		9	63796757-63802538		
Bt_Taar5		9	63790900-63791913	ENSBTAT00000010332	
Bt_Taar6a		Un	263025242- 263026315	ENSBTAT00000047909	
Bt_Taar6b		9	63472554-63473591	ENSBTAT00000046084	
Bt_Taar7a		Un	293821629- 293822690	ENSBTAT00000039034	

Bt_Taar7b		9	63416496-63417569	ENSBTAT00000037774	
Bt_Taar7c		9	63450500-63452136	ENSBTAT00000011316	
Bt_Taar8a		9	63492912-63493937	ENSBTAT00000020857	
Bt_Taar8b		Un	262942450- 262943484	ENSBTAT00000008724	
Bt_Taar9		9	63508158-63508949	ENSBTAT00000004932	
Hs_Taar1		6	133007816- 133008835	ENsT00000275216	
Hs_Taar2		6	132979982- 132987107	ENsT00000367931	
Hs_Taar5		6	132951505- 132952518	ENsT00000258034	
Hs_Taar6		6	132933205- 132934182	ENsT00000367934	
Hs_Taar8		6	132915525- 132916553	ENsT00000275200	
Hs_Taar9		6	132901120- 132902168	ENsT00000340640	
Xt_Taar1		scaffold_172	2058717-2059793	ENSXETT00000000206	
Xt_Taar4a		scaffold_172	2081286-2082349	ENSXETT00000000188	
Xt_Taar4b		scaffold_172	2072396-2073450	ENSXETT00000000192	
Gg_Taar1		3	58772958-58773950	ENSGALT00000022674	
Gg_Taar2		3	58790520-58791542	ENSGALT00000019656	
Gg_Taar5		3	58802258-58803280	ENSGALT00000022676	
Cm_Taar1		WGS		AAVX01005735	
Cm_Taar2*		WGS		AAVX01045569	
<b>Outgroups:</b>					
<b>Aminergic R.tors:</b>					
Dr_serotonin R. 2B	Htr2b			DQ864496	
Dr_histamine R. H2	hrh2			NM_001045338	
Dr_dopamine R. D2a	drd2a			NM_183068	
Mm_histamine R. H3	Hrh3			NM_133849	
Mm_dopamine R. 3	Drd3			NM_007877	
Mm_serotonin R. 5A	Htr5a			NM_008314	
Mm_dopamine R. D1A	Drd1a			NM_010076	
Mm_adrenergic R. beta 1	Adrb1			NM_007419	
Rn_serotonin R. 2A	Htr2a			NM_017254	
Rn_histamine R. H 2	Hrh2			NM_012965	
Rn_dopamine R. D3	Drd3			NM_017140	
Rn_adrenergic R. beta 2	Adrb2			NM_012492	
<b>OR:</b>					

Dr_OR131		15	29704040 - 29705023	ENSDART00000100030	
Dr_OR22		15	29659462-29660635	ENSDART00000009390	
Mm_OR121		17	37888801-37889766	ENSMUST00000074555	
Mm_OR446		6	42877232-42878158	ENSMUST00000101461	
Rn_ORi15		10	60267950-60268897	ENSRNOT00000040777	
<b>Lamprey AmR:</b>					
Contig11088:617:2278				GENSCAN00000071721	
Contig11088:12981:14642				GENSCAN00000145282	
Contig1988:18760:20379				GENSCAN00000086194	
Contig1988:36280:37854				GENSCAN00000080186	
Contig25386:1986:3629:				GENSCAN00000100832	
Contig2410:15193:16920				GENSCAN00000068085	
Contig32780:2648:4291				GENSCAN00000007566	
Contig29539:762:2393				GENSCAN00000093854	
Contig39824:7093:8748				GENSCAN00000010072	
Contig6569:10667:15719				GENSCAN00000142135	
Contig19989:8020:9663				GENSCAN00000098663	
Contig39552:7626:9284				GENSCAN00000077187	
Contig34843:480:2114				GENSCAN00000091849	
Contig58368:4024:5520				GENSCAN00000114105	
Contig8493:19657:21222				GENSCAN00000148282	
Contig8493:16826:18391				GENSCAN00000148281	
Contig56958:2841:4508				GENSCAN00000030920	
supercontig:PMAR3: Contig4553:9517:11127				GENSCAN00000087423	
supercontig:PMAR3: Contig6110:8321:9970				GENSCAN00000001971	
supercontig:PMAR3: Contig17881:4845:6429				GENSCAN00000018535	
Contig32699:8482:9981				GENSCAN00000016801	
Contig17881:15313:16914				GENSCAN00000129481	
Contig6569:1523:3133				GENSCAN00000144047	
<b>Pseudo genes:</b>					
<b>Zebrafish:</b>					
			243399754- 243399774		
		1			
		13	351799-352842		
		20	45965163-45966302		
		10	36614089-36614794		
<b>Medaka:</b>					
		7	5425949-5488965	ENSORLT00000003004	
<b>Mouse:</b>					

	Taar7c_P			AY702333	
<b>Human:</b>					
	TAAR3_P			AF112461	
	TAAR4_P			NG_004855	
	TAAR7_P			NG_004854	
<b>Rat:</b>					
	TAAR7i_P			AY702324	
	TAAR7f_P			AY702323	

Nomenclature, genomic location, accession number, and EST hits are shown. Synonyms taken from ref. 1; asterisk, Cm2 is ancestral to several TAAR subfamilies, including TAAR2. HsTAAR3 is annotated as intact sequence, but is retrieved as pseudogene from both human and chimpanzee genome assemblies. Genomic location and EST hits (OE, olfactory epithelium) were retrieved from the Ensembl database (2), release 47, based on assembly zv7, August 2007 for zebrafish, assembly Fugu 4.0, February 2006 for *Takifugu rubripes*, assembly HdrR, October 2006 for medaka, assembly BROAD S1, August 2006 for stickleback, and assembly TETRAODON 7, October 2004 for *Tetraodon nigroviridis*.

1. Hashiguchi Y, Nishida M (2007) Evolution of trace amine associated receptor (TAAR) gene family in vertebrates: Lineage-specific expansions and degradations of a second class of vertebrate chemosensory receptors expressed in the olfactory epithelium. *Mol Biol Evol* 24: 2099-2107.
2. Yokoyama S, Tada T, Zhang H, Britt L (2008) Elucidation of phenotypic adaptations: Molecular analyses of dim-light vision proteins in vertebrates. *Proc Natl Acad Sci USA* 105:13480-13485