

Table 4. OR genes in the pufferfish genome

No.	Gene name	F or P *	Scaffold no.	Initial position	Terminal position	Direction	Group	GenBank accession no.
1	Fr3OR18.1	F	18	100394	101347	+	κ	
2	Fr3OR26.1	P	26	215990	216862	-	η	
3	Fr3OR26.2	P	26	221714	222619	+	η	
4	Fr3OR26.3	P	26	224426	225118	+	η	
5	Fr3OR26.4	P	26	228694	229434	+	η	
6	Fr3OR59.1	F	59	101430	102383	-	η	
7	Fr3OR117.1	F	117	140937	141881	-	δ	
8	Fr3OR117.2	F	117	143302	144228	-	δ	
9	Fr3OR119.1	F	119	137360	138322	+	δ	
10	Fr3OR123.1	F	123	2211	3143	+	δ	
11	Fr3OR123.2	F	123	5390	6316	+	δ	
12	Fr3OR142.1	F	142	98405	99343	+	δ	
13	Fr3OR142.2	P	142	99899	100321	+	δ	
14	Fr3OR142.3	F	142	101754	102692	+	δ	
15	Fr3OR142.4	P	142	103735	104157	+	δ	
16	Fr3OR142.5	P	142	112427	113313	+	δ	
17	Fr3OR142.6	F	142	118748	119713	+	ε	
18	Fr3OR142.7	F	142	120730	121689	+	ε	
19	Fr3OR144.1	P	144	120812	121198	+	η	
20	Fr3OR144.2	P	144	124247	124867	+	η	
21	Fr3OR217.1	F	217	47081	48010	-	η	
22	Fr3OR580.1	P	580	2567	2902	-	δ	
23	Fr3OR580.2	P	580	4419	4796	-	δ	
24	Fr3OR633.1	F	633	29549	30526	-	θ	
25	Fr3OR1026.1	P	1026	74737	75635	+	δ	
26	Fr3OR1026.2	F	1026	80031	80975	+	δ	
27	Fr3OR1367.1	P	1367	4134	4343	-	η	
28	Fr3OR2346.1	F	2346	2852	3793	-	δ	
29	Fr3OR2346.2	F	2346	7810	8748	+	δ	
30	Fr3OR2346.3	F	2346	9917	10831	+	δ	
31	Fr3OR2346.4	F	2346	14672	15595	+	δ	
32	Fr3OR2346.5	F	2346	17587	18522	+	δ	
33	Fr3OR2346.6	P	2346	20386	20625	+	δ	
34	Fr3OR2346.7	F	2346	22890	23810	+	δ	
35	Fr3OR2832.1	P	2832	2962	3559	+	η	
36	Fr3OR2910.1	P	2910	11038	11307	-	η	
37	Fr3OR2987.1	P	2987	13333	13761	-	η	
38	Fr3OR3154.1	P	3154	17458	18154	-	ζ	
39	Fr3OR3630.1	F	3630	10680	11606	-	δ	
40	Fr3OR3630.2	P	3630	12866	13543	-	δ	
41	Fr3OR3763.1	F	3763	2165	3085	+	δ	
42	Fr3OR3763.2	F	3763	6404	7333	+	δ	
43	Fr3OR3905.1	F	3905	7962	8969	+	ζ	
44	Fr3OR4133.1	P	4133	15	320	-	δ	
45	Fr3OR4133.2	F	4133	3009	3959	-	δ	
46	Fr3OR4133.3	P	4133	8625	9119	-	δ	
47	Fr3OR4208.1	P	4208	4759	5628	-	η	
48	Fr3OR4208.2	P	4208	9444	10190	-	η	
49	Fr3OR4208.3	P	4208	13226	13960	-	η	
50	Fr3OR4429.1	F	4429	2980	3891	-	δ	
51	Fr3OR4429.2	F	4429	4755	5705	+	δ	
52	Fr3OR4479.1	P	4479	2	712	+	ζ	
53	Fr3OR4479.2	F	4479	6570	7541	+	ζ	AB031381-1
54	Fr3OR4563.1	P	4563	2	250	+	δ	
55	Fr3OR4563.2	P	4563	1152	1433	-	δ	

56	Fr3OR4563.3	P	4563	1676	1924	-	δ	
57	Fr3OR4563.4	F	4563	5006	5959	+	δ	
58	Fr3OR4563.5	F	4563	7223	8167	-	δ	
59	Fr3OR4563.6	P	4563	8643	8941	+	δ	
60	Fr3OR5287.1	P	5287	2	769	+	δ	
61	Fr3OR5287.2	F	5287	2492	3466	-	β	
62	Fr3OR5510.1	P	5510	3	464	-	δ	
63	Fr3OR5510.2	F	5510	5598	6554	-	δ	
64	Fr3OR5511.1	P	5511	3	545	+	δ	
65	Fr3OR5511.2	F	5511	4503	5420	-	δ	
66	Fr3OR5887.1	P	5887	902	1726	-	δ	
67	Fr3OR6030.1	F	6030	1325	2278	-	η	
68	Fr3OR6269.1	F	6269	1619	2590	+	ζ	AB031382-1
69	Fr3OR6392.1	P	6392	2742	3371	+	η	
70	Fr3OR6765.1	F	6765	455	1375	-	δ	
71	Fr3OR6818.1	F	6818	800	1738	+	η	
72	Fr3OR6828.1	P	6828	2539	3444	-	δ	
73	Fr3OR7011.1	F	7011	381	1313	-	η	
74	Fr3OR7149.1	F	7149	130	1071	+	δ	
75	Fr3OR7149.2	P	7149	2725	2994	+	δ	
76	Fr3OR7573.1	P	7573	2	742	+	η	
77	Fr3OR7743.1	P	7743	120	923	+	δ	
78	Fr3OR7903.1	P	7903	3042	3956	+	η	
79	Fr3OR8298.1	F	8298	929	1933	-	δ	
80	Fr3OR8617.1	P	8617	1904	2806	-	δ	
81	Fr3OR9714.1	P	9714	1127	1444	-	δ	
82	Fr3OR10066.1	P	10066	623	1012	+	η	
83	Fr3OR11088.1	P	11088	757	1185	-	δ	
84	Fr3OR11306.1	P	11306	429	1133	-	η	
85	Fr3OR15667.1	P	15667	476	793	-	δ	
86	Fr3OR17180.1	P	17180	612	770	-	δ	
87	Fr3OR17710.1	P	17710	9	569	+	η	
88	Fr3OR17835.1	P	17835	428	736	+	δ	
89	Fr3OR17891.1	P	17891	54	743	+	δ	
90	Fr3OR18144.1	P	18144	170	727	+	δ	
91	Fr3OR19594.1	P	19594	75	401	-	δ	
92	Fr3OR19618.1	P	19618	30	575	-	δ	
93	Fr3OR19976.1	P	19976	11	559	-	δ	
94	Fr3OR25497.1	P	25497	35	337	-	δ	
95	AB031380-1	F					ζ	
96	AB031383-1	F					ζ	
97	AB031384-1	F					ζ	
98	AB031385-1	F					δ	

* F, a functional gene; P, a pseudogene or a partial sequence.