

Table SI. The 333 representative protein sequences of NRs were used in the present study.

No.	Nuclear receptor	Species	Accession no.
1	Estrogen-related receptor	<i>Penaeus vannamei</i>	ROT74072
2	Estrogen-related receptor	<i>Apis mellifera</i>	NP_001155988
3	Estrogen-related receptor γ	<i>Parasteatoda tepidariorum</i>	XP_015925325
4	Estrogen-related receptor γ	<i>Blattella germanica</i>	PSN48477
5	Nuclear hormone receptor FTZ F1 β	<i>Parasteatoda tepidariorum</i>	XP_015931207
6	Nuclear hormone receptor FTZ F1 β	<i>Daphnia magna</i>	JAN70380
7	Nuclear hormone receptor FTZ F1 β	<i>Acromyrmex echinator</i>	EGI65331
8	Nuclear hormone receptor HR96	<i>Parasteatoda tepidariorum</i>	XP_015911215
9	Nuclear hormone receptor HR96	<i>Daphnia magna</i>	JAI98064
10	Nuclear hormone receptor HR96	<i>Drosophila melanogaster</i>	sp_Q24143
11	Testicular receptor 2	<i>Centruroides sculpturatus</i>	XP_023211818
12	Testicular receptor 4	<i>Rhipicephalus appendiculatus</i>	JAP83130
13	Testicular receptor 4	<i>Limulus polyphemus</i>	XP_022245332
14	COUP transcription factor 1	<i>Varroa jacobsoni</i>	XP_022708678
15	COUP transcription factor 1	<i>Daphnia magna</i>	JAM55869
16	COUP transcription factor 1	<i>Culex quinquefasciatus</i>	EDS33818
17	COUP transcription factor 2	<i>Solenopsis invicta</i>	XP_011175462
18	Ecdysone receptor	<i>Limulus polyphemus</i>	XP_013783568
19	Ecdysone receptor	<i>Manduca sexta</i>	sp_P49883
20	Ecdysone receptor	<i>Macrobrachium rosenbergii</i>	AKL71617
21	Ecdysone receptor	<i>Tetranychus cinnabarinus</i>	QHG62546
22	Ecdysone induced protein 78C	<i>Tetranychus urticae</i>	XP_015784372
23	Ecdysoneinduced protein 78C	<i>Daphnia magna</i>	JAM74316
24	Ecdysone induced protein 78C	<i>Dufourea novaeangliae</i>	KZC09254
25	Estrogen receptor	<i>Galleria mellonella</i>	XP_031770154
26	Estrogen receptor β	<i>Tetranychus urticae</i>	XP_015793732
27	Estrogen receptor β	<i>Daphnia magna</i>	KZS14594
28	Estrogen receptor β	<i>Melanaphis sacchari</i>	XP_025207816
29	Hepatocyte nuclear factor 4 α	<i>Amphibalanus amphitrite</i>	KAF0299557
30	Hepatocyte nuclear factor 4 α	<i>Tribolium castaneum</i>	KYB26567
31	Hepatocyte nuclear factor 4 α	<i>Bombyx mori</i>	NP_001037474
32	Hepatocyte nuclear factor 4 γ	<i>Parasteatoda tepidariorum</i>	XP_015907290
33	Hepatocyte nuclear factor 4 γ	<i>Limulus polyphemus</i>	XP_013779786
34	Photoreceptor specific nuclear receptor	<i>Daphnia magna</i>	KZS13120
35	Photoreceptor specific nuclear receptor	<i>Helicoverpa armigera</i>	XP_021198559
36	Photoreceptor specific nuclear receptor	<i>Trichonephila clavipes</i>	PRD36655
37	Photoreceptor specific nuclear receptor	<i>Limulus polyphemus</i>	XP_022247858
38	Retinoid X receptor 1	<i>Panonychus citri</i>	ATB56337
39	Retinoid X receptor 1	<i>Homarus americanus</i>	AGI15961
40	Retinoid X receptor 1	<i>Periplaneta americana</i>	BAM63276
41	Retinoid X receptor 2	<i>Panonychus citri</i>	ATB56338
42	Retinoid X receptor 2	<i>Portunus trituberculatus</i>	AHJ81363
43	Retinoid X receptor 3	<i>Procambarus clarkii</i>	AOZ21145
44	Thyroid hormone receptor α	<i>Amphibalanus amphitrite</i>	KAF0296443
45	Thyroid hormone receptor α	<i>Folsomia candida</i>	OXA45264
46	Thyroid hormone receptor β	<i>Centruroides sculpturatus</i>	XP_023225253
47	Thyroid hormone receptor β	<i>Folsomia candida</i>	XP_021962178
48	Ultraspiracle	<i>Varroa destructor</i>	ALK02217
49	Ultraspiracle	<i>Tigriopus japonicus</i>	AID52845
50	Ultraspiracle	<i>Choristoneura fumiferana</i>	sp_O76202
51	Androgen receptor	<i>Lithobates catesbeianus</i>	sp_Q7T1K4
52	Androgen receptor	<i>Tyto alba</i>	APQ40570
53	Androgen receptor	<i>Oncorhynchus mykiss</i>	NP_001117656
54	Androgen receptor	<i>Pseudonaja textilis</i>	XP_026558883
55	Androgen receptor	<i>Homo sapiens</i>	sp_P10275
56	Androgen receptor	<i>Chrysemys picta bellii</i>	XP_005279584
57	Constitutive androstane receptor	<i>Xenopus tropicalis</i>	ADW81978
58	Constitutive androstane receptor	<i>Coturnix japonica</i>	BAF57043
59	Constitutive androstane receptor	<i>Anolis carolinensis</i>	ADW81979

Table SI. Continued.

No.	Nuclear receptor	Species	Accession no.
60	Constitutive androstane receptor	<i>Homo sapiens</i>	sp_Q14994
61	DSS	<i>Gallus gallus</i>	NP_989924
62	DSS	<i>Homo sapiens</i>	sp_P51843
63	V-erbA-related protein 2	<i>Homo sapiens</i>	sp_P10588
64	V-erbA-related protein 2	<i>Larimichthys crocea</i>	KAE8291097
65	Estrogen related receptor α	<i>Xenopus tropicalis</i>	AAI60530
66	Estrogen related receptor α	<i>Danio rerio</i>	AAS66634
67	Estrogen related receptor α	<i>Homo sapiens</i>	sp_P11474
68	Estrogen receptor related β	<i>Tyto alba</i>	APQ40581
69	Estrogen related receptor β	<i>Larimichthys crocea</i>	ADD39721
70	Estrogen related receptor β	<i>Homo sapiens</i>	sp_O95718
71	Estrogen related receptor γ	<i>Xenopus tropicalis</i>	NP_001093680
72	Estrogen related receptor γ	<i>Lonchura striata domestica</i>	OWK60671
73	Estrogen related receptor γ	<i>Danio rerio</i>	NP_998119
74	Estrogen related receptor γ	<i>Protothrops mucrosquamatus</i>	XP_015678099
75	Estrogen related receptor γ	<i>Homo sapiens</i>	AAQ93381
76	Estrogen related receptor γ	<i>Chrysemys picta bellii</i>	XP_008177296
77	Farnesoid X receptor α	<i>Gallus gallus</i>	AAM90896
78	Farnesoid X receptor α	<i>Callorhinchus milii</i>	AFO96756
79	Farnesoid X receptor α	<i>Homo sapiens</i>	ADZ17382
80	Farnesoid X receptor β	<i>Homo sapiens</i>	AAM53551
81	Germ cell nuclear factor	<i>Xenopus tropicalis</i>	sp_Q66JK1
82	Germ cell nuclear factor	<i>Danio rerio</i>	sp_Q9PU65
83	Germ cell nuclear factor	<i>Homo sapiens</i>	sp_Q15406
84	Glucocorticoid receptor	<i>Xenopus laevis</i>	sp_P49844
85	Glucocorticoid receptor	<i>Chaetura pelagica</i>	KFU92321
86	Glucocorticoid receptor	<i>Paralichthys olivaceus</i>	sp_O73673
87	Glucocorticoid receptor	<i>Pogona vitticeps</i>	XP_020662013
88	Glucocorticoid receptor	<i>Homo sapiens</i>	sp_P04150
89	Glucocorticoid receptor	<i>Chrysemys picta bellii</i>	XP_005302909
90	Liver receptor homolog 1	<i>Mus musculus</i>	sp_P45448
91	Liver X receptor α	<i>Gallus gallus</i>	CAD45182
92	Liver X receptor α	<i>Larimichthys crocea</i>	KAE8297577
93	Liver X receptor α	<i>Homo sapiens</i>	sp_Q13133
94	Liver X receptor β	<i>Homo sapiens</i>	sp_P55055
95	Mineralocorticoid receptor	<i>Xenopus laevis</i>	NP_001084074
96	Mineralocorticoid receptor	<i>Gallus gallus</i>	ACO37437
97	Mineralocorticoid receptor	<i>Danio rerio</i>	NP_001093873
98	Mineralocorticoid receptor	<i>Podarcis muralis</i>	XP_028601042
99	Mineralocorticoid receptor	<i>Homo sapiens</i>	sp_P08235
100	Mineralocorticoid receptor	<i>Chelonia mydas</i>	XP_027673891
101	Nerve growth factor IB	<i>Homo sapiens</i>	NP_001189162
102	Neuron-derived orphan receptor 1	<i>Homo sapiens</i>	sp_Q92570
103	Nuclear receptor related 1	<i>Fundulus heteroclitus</i>	JAR20922
104	Nuclear receptor related 1	<i>Homo sapiens</i>	ADZ17335
105	Peroxisome proliferator activated receptor α	<i>Xenopus laevis</i>	sp_P37232
106	Peroxisome proliferator activated receptor α	<i>Gallus gallus</i>	NP_001001464
107	Peroxisome proliferator activated receptor α	<i>Oryzias latipes</i>	NP_001158347
108	Peroxisome proliferator activated receptor α	<i>Pogona vitticeps</i>	XP_020641438
109	Peroxisome proliferator activated receptor α	<i>Homo sapiens</i>	sp_Q07869
110	Peroxisome proliferator activated receptor β	<i>Xenopus laevis</i>	sp_P37233
111	Peroxisome proliferator activated receptor β	<i>Gallus gallus</i>	NP_990059
112	Peroxisome proliferator activated receptor β	<i>Danio rerio</i>	NP_571543
113	Peroxisome proliferator activated receptor β	<i>Protothrops mucrosquamatus</i>	XP_015687466
114	Peroxisome proliferator activated receptor β	<i>Homo sapiens</i>	sp_Q03181
115	Peroxisome proliferator activated receptor β	<i>Pelodiscus sinensis</i>	XP_025036806
116	Peroxisome proliferator_activated receptor γ	<i>Xenopus laevis</i>	sp_P37234
117	Peroxisome proliferator activated receptor γ	<i>Gallus gallus</i>	NP_001001460
118	Peroxisome proliferator activated receptor γ	<i>Oreochromis niloticus</i>	NP_001277129

Table SI. Continued.

No.	Nuclear receptor	Species	Accession no.
119	Peroxisome proliferator activated receptor γ	<i>Eublepharis macularius</i>	BAF79869
120	Peroxisome proliferator activated receptor γ	<i>Homo sapiens</i>	sp_P37231
121	Peroxisome proliferator activated receptor γ	<i>Chrysemys picta bellii</i>	XP_005309126
122	Progesterone receptor	<i>Rana dybowskii</i>	sp_Q8AYI2
123	Progesterone receptor	<i>Gallus gallus</i>	sp_P07812
124	Progesterone receptor	<i>Aspidoscelis inornatus</i>	ACJ45777
125	Progesterone receptor	<i>Homo sapiens</i>	sp_P06401
126	Progesterone receptor	<i>Pseudemys nelsoni</i>	BAF91193
127	Progesterone receptor	<i>Oryzias latipes</i>	NP_001165515
128	Pregnane X receptor	<i>Danio rerio</i>	AYQ93041
129	Pregnane X receptor	<i>Homo sapiens</i>	sp_O75469
130	RAR related orphan receptor A	<i>Danio rerio</i>	XP_017212349
131	RAR related orphan receptor A	<i>Homo sapiens</i>	sp_P35398
132	RAR related orphan receptor B	<i>Etmopterus molleri</i>	BBI36951
133	RAR related orphan receptor B	<i>Homo sapiens</i>	APJ36118
134	RAR related orphan receptor C	<i>Danio rerio</i>	NP_001264023
135	RAR related orphan receptor C	<i>Homo sapiens</i>	sp_P51449
136	Steroidogenic factor 1	<i>Xenopus tropicalis</i>	NP_001139213
137	Steroidogenic factor 1	<i>Gallus gallus</i>	NP_990408
138	Steroidogenic factor 1	<i>Oreochromis niloticus</i>	NP_001266489
139	Steroidogenic factor 1	<i>Podarcis muralis</i>	XP_028571190
140	Steroidogenic factor 1	<i>Homo sapiens</i>	NP_004950
141	Steroidogenic factor 1	<i>Chrysemys picta bellii</i>	XP_005279455
142	Small heterodimer partner	<i>Gallus gallus</i>	AAW33564
143	Small heterodimer partner	<i>Micropterus salmoides</i>	AMN92720
144	Small heterodimer partner	<i>Homo sapiens</i>	sp_Q15466
145	Tailes-related receptor	<i>Homo sapiens</i>	BAH02300
146	Testicular receptor 2	<i>Xenopus tropicalis</i>	sp_Q28CK1
147	Testicular receptor 2	<i>Opisthocomus hoazin</i>	KFR15086
148	Testicular receptor 2	<i>Collichthys lucidus</i>	TKS73635
149	Testicular receptor 2	<i>Podarcis muralis</i>	XP_028601642
150	Testicular receptor 2	<i>Homo sapiens</i>	sp_P13056
151	Testicular receptor 2	<i>Chrysemys picta bellii</i>	XP_008176960
152	Testicular receptor 4	<i>Xenopus tropicalis</i>	XP_012817160
153	Testicular receptor 4	<i>Gallus gallus</i>	XP_414462
154	Testicular receptor 4	<i>Oryzias latipes</i>	XP_023812457
155	Testicular receptor 4	<i>Pseudonaja textilis</i>	XP_026578737
156	Testicular receptor 4	<i>Homo sapiens</i>	sp_P49116
157	Testicular receptor 4	<i>Terrapene carolina triunguis</i>	XP_024063277
158	Vitamin D receptor	<i>Xenopus laevis</i>	sp_O13124
159	Vitamin D receptor	<i>Gallus gallus</i>	sp_O42392
160	Vitamin D receptor	<i>Salmo salar</i>	NP_001117029
161	Vitamin D receptor	<i>Gekko gekko</i>	AAP13096
162	Vitamin D receptor	<i>Homo sapiens</i>	sp_P11473
163	COUP transcription factor 1	<i>Xenopus tropicalis</i>	NP_001093677
164	COUP transcription factor 1	<i>Numida meleagris</i>	XP_021236821
165	COUP transcription factor 1	<i>Danio rerio</i>	sp_Q06725
166	COUP transcription factor 1	<i>Python bivittatus</i>	XP_007432596
167	COUP transcription factor 1	<i>Homo sapiens</i>	NP_005645
168	COUP transcription factor 1	<i>Chelonia mydas</i>	XP_007054159
169	COUP transcription factor 2	<i>Xenopus tropicalis</i>	NP_001107703
170	COUP transcription factor 2	<i>Gallus gallus</i>	sp_Q90733
171	COUP transcription factor 2	<i>Paramormyrops kingsleyae</i>	XP_023669763
172	COUP transcription factor 2	<i>Pogona vitticeps</i>	XP_020637431
173	COUP transcription factor 2	<i>Homo sapiens</i>	NP_066285
174	COUP transcription factor 2	<i>Chelonia mydas</i>	XP_007060430
175	Estrogen receptor α	<i>Xenopus laevis</i>	sp_P81559
176	Estrogen receptor α	<i>Gallus gallus</i>	sp_P06212
177	Estrogen receptor α	<i>Danio rerio</i>	sp_P57717

Table SI. Continued.

No.	Nuclear receptor	Species	Accession no.
178	Estrogen receptor α	<i>Eremias argus</i>	AQM55160
179	Estrogen receptor α	<i>Homo sapiens</i>	sp_P03372
180	Estrogen receptor α	<i>Chrysemys picta</i>	NP_001269175
181	Estrogen receptor β	<i>Cynops pyrrhogaster</i>	BAJ05026
182	Estrogen receptor β	<i>Sturnus vulgaris</i>	sp_Q9PVE2
183	Estrogen receptor β	<i>Protobothrops flavoviridis</i>	BAJ15427
184	Estrogen receptor β	<i>Homo sapiens</i>	sp_Q92731
185	Estrogen receptor β	<i>Chrysemys picta bellii</i>	XP_005285947
186	Estrogen receptor β	<i>Ictalurus punctatus</i>	sp_Q9IAK1
187	Hepatocyte nuclear factor 4 α	<i>Xenopus laevis</i>	sp_Q91766
188	Hepatocyte nuclear factor 4 α	<i>Lonchura striata domestica</i>	OWK56389
189	Hepatocyte nuclear factor 4 α	<i>Danio rerio</i>	NP_919349
190	Hepatocyte nuclear factor 4 α	<i>Pseudonaja textilis</i>	XP_026553091
191	Hepatocyte nuclear factor 4 α	<i>Homo sapiens</i>	sp_P41235
192	Hepatocyte nuclear factor 4 α	<i>Terrapene carolina triunguis</i>	XP_024062729
193	Hepatocyte nuclear factor 4 γ	<i>Xenopus tropicalis</i>	XP_002939634
194	Hepatocyte nuclear factor 4 γ	<i>Apaloderma vittatum</i>	KFP83588
195	Hepatocyte nuclear factor 4 γ	<i>Dicentrarchus labrax</i>	CBN81850
196	Hepatocyte nuclear factor 4 γ	<i>Pogona vitticeps</i>	XP_020643161
197	Hepatocyte nuclear factor 4 γ	<i>Homo sapiens</i>	sp_Q14541
198	Hepatocyte nuclear factor 4 γ	<i>Terrapene carolina triunguis</i>	XP_024053436
199	Photoreceptor specific nuclear receptor	<i>Xenopus tropicalis</i>	NP_001090633
200	Photoreceptor specific nuclear receptor	<i>Aptenodytes forsteri</i>	KFM07289
201	Photoreceptor specific nuclear receptor	<i>Acipenser ruthenus</i>	RXM92896
202	Photoreceptor specific nuclear receptor	<i>Pseudonaja textilis</i>	XP_026565618
203	Photoreceptor specific nuclear receptor	<i>Homo sapiens</i>	sp_Q9Y5X4
204	Photoreceptor specific nuclear receptor	<i>Chrysemys picta bellii</i>	XP_005281033
205	RevErbA α	<i>Xenopus tropicalis</i>	NP_001093675
206	RevErbA α	<i>Lonchura striata domestica</i>	OWK54781
207	RevErbA α	<i>Oncorhynchus kisutch</i>	XP_020315256
208	RevErbA α	<i>Python bivittatus</i>	XP_007420743
209	RevErbA α	<i>Homo sapiens</i>	sp_P20393
210	RevErbA α	<i>Chrysemys picta bellii</i>	XP_005294178
211	RevErbA β	<i>Antrostomus carolinensis</i>	KFZ46924
212	RevErbA β	<i>Danio rerio</i>	NP_571140
213	RevErbA β	<i>Protobothrops mucrosquamatus</i>	XP_015667186
214	RevErb β	<i>Homo sapiens</i>	sp_Q14995
215	RevErbA β	<i>Pelodiscus sinensis</i>	XP_006134400
216	Retinoid X receptor α	<i>Xenopus laevis</i>	sp_P51128
217	Retinoid X receptor α	<i>Columba livia</i>	PKK24321
218	Retinoid X receptor α	<i>Danio rerio</i>	AAC59720
219	Retinoid X receptor α	<i>Homo sapiens</i>	sp_P19793
220	Retinoid X receptor β	<i>Xenopus tropicalis</i>	CAJ83850
221	Retinoid X receptor β	<i>Danio rerio</i>	sp_Q7SYN5
222	Retinoid X receptor β	<i>Agkistrodon contortrix</i>	JAV49438
223	Retinoid X receptor β	<i>Homo sapiens</i>	sp_P28702
224	Retinoid X receptor γ	<i>Xenopus laevis</i>	sp_P51129
225	Retinoid X receptor γ	<i>Gallus gallus</i>	sp_P28701
226	Retinoid X receptor γ	<i>Homo sapiens</i>	sp_P48443
227	Retinoid X receptor γ	<i>Danio rerio</i>	ABM89230
228	Thyroid hormone receptor α	<i>Xenopus laevis</i>	sp_P18115
229	Thyroid hormone receptor α	<i>Gallus gallus</i>	sp_P04625
230	Thyroid hormone receptor α	<i>Danio rerio</i>	sp_Q98867
231	Thyroid hormone receptor α	<i>Eublepharis macularius</i>	BAF03080
232	Thyroid receptor α	<i>Homo sapiens</i>	AAA66021
233	Thyroid hormone receptor β	<i>Xenopus laevis</i>	sp_P18119
234	Thyroid hormone receptor β	<i>Gallus gallus</i>	sp_P68306
235	Thyroid hormone receptor β	<i>Danio rerio</i>	sp_Q9PVE4
236	Thyroid hormone receptor β	<i>Boiga irregularis</i>	JAG66252

Table SI. Continued.

No.	Nuclear receptor	Species	Accession no.
237	Thyroid hormone receptor β	<i>Homo sapiens</i>	sp_P10828
238	Thyroid hormone receptor β	<i>Chelonia mydas</i>	XP_007068582
239	Retinoic acid receptor α	<i>Gallus gallus</i>	sp_Q90966
240	Retinoic acid receptor α	<i>Danio rerio</i>	sp_Q90271
241	Retinoic acid receptor α	<i>Homo sapiens</i>	sp_P10276
242	Retinoic acid receptor α	<i>Xenopus tropicalis</i>	NP_001164665
243	Retinoic acid receptor α	<i>Chelonoidis abingdonii</i>	XP_032644828
244	Retinoic acid receptor α	<i>Protobothrops mucrosquamatus</i>	XP_015687761
245	Retinoic acid receptor β	<i>Gallus gallus</i>	sp_P22448
246	Retinoic acid receptor β	<i>Homo sapiens</i>	AAH60794
247	Retinoic acid receptor β	<i>Chelonia mydas</i>	XP_007068578
248	Retinoic acid receptor β	<i>Xenopus tropicalis</i>	XP_002932450
249	Retinoic acid receptor β	<i>Notechis scutatus</i>	XP_026544228
250	Retinoic acid receptor β	<i>Oryzias melastigma</i>	XP_024151635
251	Retinoic acid receptor γ	<i>Xenopus laevis</i>	sp_P28699
252	Retinoic acid receptor γ	<i>Danio rerio</i>	sp_Q91392
253	Retinoic acid receptor γ	<i>Homo sapiens</i>	sp_P13631
254	Retinoic acid receptor γ	<i>Gallus gallus</i>	XP_025001268
255	Retinoic acid receptor γ	<i>Chelonia mydas</i>	XP_007058582
256	Retinoic acid receptor γ	<i>Protobothrops mucrosquamatus</i>	XP_015672623
257	Hepatocyte nuclear factor 4 α	<i>Hydra vulgaris</i>	CDG70988
258	Hepatocyte nuclear factor 4 γ	<i>Stylophora pistillata</i>	PFX13770
259	Photoreceptor specific nuclear receptor	<i>Stylophora pistillata</i>	PFX22945
260	Retinoid X receptor	<i>Clytia hemisphaerica</i>	AGO28202
261	Nuclear hormone receptor FTZF1 β	<i>Strongylocentrotus purpuratus</i>	XP_030852976
262	Germ cell nuclear factor	<i>Strongylocentrotus purpuratus</i>	XP_001200128
263	COUP transcription factor 1	<i>Apostichopus japonicus</i>	PIK61299
264	Photoreceptor specific nuclear receptor	<i>Acanthaster planci</i>	XP_022105764
265	RevErbA α	<i>Apostichopus japonicus</i>	PIK59565
266	RevErbA β	<i>Acanthaster planci</i>	XP_022093948
267	Retinoid X receptor α	<i>Mesocentrotus nudus</i>	AEL87703
268	Constitutive androstane receptor	<i>Schistosoma mansoni</i>	AAV80235
269	Nuclear hormone receptor FTZ F1 β	<i>Schistosoma haematobium</i>	KGB33228
270	Nuclear hormone receptor HR96	<i>Echinococcus multilocularis</i>	CDS36018
271	Neuron derived orphan receptor 1	<i>Danio rerio</i>	NP_001166100
272	Nuclear receptor related 1 protein	<i>Schistosoma bovis</i>	RTG82165
273	Steroidogenic factor 1	<i>Oreochromis niloticus</i>	NP_001266415
274	Ecdysone induced protein 78	<i>Echinococcus multilocularis</i>	CDS42427
275	Hepatocyte nuclear factor 4 α	<i>Hymenolepis microstoma</i>	CDS29859
276	Photoreceptor specific nuclear receptor	<i>Fasciola gigantica</i>	TPP62102
277	Retinoic acid receptor α	<i>Paragonimus heterotremus</i>	KAF5399899
278	Retinoic acid receptor β	<i>Echinococcus granulosus</i>	CDS19064
279	Retinoid X receptor α	<i>Paragonimus westermani</i>	KAA3671866
280	Retinoid X receptor β	<i>Schistosoma japonicum</i>	AFP95234
281	Thyroid hormone receptor α	<i>Echinococcus granulosus</i>	CDS24335
282	Thyroid hormone receptor β	<i>Fasciola hepatica</i>	THD25552
283	COUP transcription factor 1	<i>Echinococcus multilocularis</i>	CDS40440
284	COUP transcription factor 2	<i>Schistosoma japonicum</i>	TNN12164
285	COUP transcription factor 1	<i>Saccoglossus kowalevskii</i>	NP_001158369
286	Photoreceptor specific nuclear receptor	<i>Saccoglossus kowalevskii</i>	NP_001158447
287	Thyroid hormone receptor	<i>Saccoglossus kowalevskii</i>	NP_001161669
288	Estrogen related receptor	<i>Mizuhopecten yessoensis</i>	BAN84542
289	Estrogen related receptor γ	<i>Mizuhopecten yessoensis</i>	OWF37594
290	Nuclear hormone receptor FTZF1 β	<i>Mizuhopecten yessoensis</i>	OWF54666
291	Peroxisome proliferator activated receptor	<i>Crassostrea gigas</i>	ARM65371
292	Ecdysone induced protein 78c	<i>Haliothis diversicolor</i>	AEE01362
293	Ecdysone receptor	<i>Mizuhopecten yessoensis</i>	OWF39435
294	Estrogen receptor α	<i>Sepiella maindroni</i>	AMR55387
295	Hepatocyte nuclear factor 4 α	<i>Mizuhopecten yessoensis</i>	OWF53519

Table SI. Continued.

No.	Nuclear receptor	Species	Accession no.
296	Hepatocyte nuclear factor 4 γ	<i>Mizuhopecten yessoensis</i>	XP_021347044
297	Photoreceptor specific nuclear receptor	<i>Pomacea canaliculata</i>	XP_025078387
298	Retinoic acid receptor	<i>Crassostrea gigas</i>	ARM65370
299	Retinoic acid receptor β	<i>Mizuhopecten yessoensis</i>	OWF36037
300	Retinoic acid receptor γ	<i>Octopus vulgaris</i>	XP_029637171
301	Retinoid X receptor	<i>Lymnaea stagnalis</i>	sp_Q5I7G2
302	Retinoid X receptor β	<i>Nucella lapillus</i>	ABS70716
303	Thyroid hormone receptor	<i>Crassostrea gigas</i>	AKE80988
304	Thyroid hormone receptor β	<i>Haliotis diversicolor</i>	ALM96676
305	Steroid Hormone Receptor cnr14	<i>Caenorhabditis elegans</i>	sp_P41830
306	Nuclear hormone receptor FTZF1 β	<i>Strongyloides ratti</i>	XP_024502422
307	Nuclear receptor HR1	<i>Onchocerca volvulus</i>	AAA87173
308	Nuclear receptor HR48	<i>Caenorhabditis elegans</i>	sp_Q94407
309	Nuclear hormone receptor HR96	<i>Strongyloides ratti</i>	XP_024500403
310	COUP transcription factor 1	<i>Trichuris trichiura</i>	CDW54682
311	COUP transcription factor 2	<i>Trichinella spiralis</i>	XP_003373261
312	Ecdysone receptor	<i>Trichinella papuae</i>	KRZ80505
313	Ecdysone_induced protein 78C	<i>Strongyloides ratti</i>	XP_024507345
314	Hepatocyte nuclear factor 4 α	<i>Trichinella zimbabwensis</i>	KRZ03232
315	Photoreceptor specific nuclear receptor	<i>Trichinella spiralis</i>	KRY29400
316	Retinoic acid receptor α	<i>Trichinella pseudospiralis</i>	KRZ20259
317	Retinoic acid receptor β	<i>Ascaris suum</i>	ADY42020
318	Retinoic acid receptor γ	<i>Trichinella zimbabwensis</i>	KRZ02505
319	Retinoid X receptor	<i>Trichuris trichiura</i>	CDW52642
320	Thyroid hormone receptor	<i>Trichuris trichiura</i>	CDW54406
321	Thyroid hormone receptor β	<i>Trichinella spiralis</i>	KRZ97479
322	Ultraspiracle	<i>Strongyloides ratti</i>	XP_024498778
323	Estrogen receptor	<i>Trichoplax sp.</i>	RDD43101
324	Retinoid X receptor	<i>Trichoplax adhaerens</i>	AVP39744
325	Retinoic acid receptor α	<i>Priapulus caudatus</i>	QFQ33539
326	Retinoid X receptor α	<i>Priapulus caudatus</i>	QFQ33540
327	Retinoid X receptor	<i>Suberites domuncula</i>	CAD57002
328	Estrogen related receptor γ	<i>Hypsibius dujardini</i>	OQV20521
329	Ecdysone receptor	<i>Hypsibius dujardini</i>	OQV14677
330	Hepatocyte nuclear factor 4 α	<i>Hypsibius dujardini</i>	OWA54353
331	Photoreceptor specific nuclear receptor	<i>Hypsibius dujardini</i>	OQV14213
332	Retinoic acid receptor β	<i>Hypsibius dujardini</i>	OQV26011
333	Thyroid hormone receptor β	<i>Hypsibius dujardini</i>	OQV15793