

Supplementary Table 6. Bowfin scaf_14 MHC region predicted genes

SeqID ¹	Start ²	End	Orientation ³	Comment ⁴
<i>rgl2</i>				Exons 16-19
	11173	11354	–	Exon 19
	15345	15459	–	Exon 18
	15769	15999	–	Exon 17
	16081	16174	–	Exon 16
<i>rgl2</i>				Exons 13-15
	17794	17826	+	Exon 13
	17970	18091	+	Exon 14
	19527	19616	+	Exon 15
<i>rgl2</i>				Exons 1-12
	22533	22619	–	Exon 12
	23101	23157	–	Exon 11
	23435	23519	–	Exon 10
	23837	23940	–	Exon 9
	24040	24249	–	Exon 8
	24357	24478	–	Exon 7
	24967	25160	–	Exon 6
	28440	28502	–	Exon 5
	29475	29641	–	Exon 4
	31452	31538	–	Exon 3
	31643	31705	–	Exon 2
	33505	33633	–	Exon 1
<i>phf1</i>				
	39135	39199	+	Exon 1
	41424	41508	+	Exon 2
	41761	41842	+	Exon 3
	44820	44906	+	Exon 4
	45392	45486	+	Exon 5
	45858	46006	+	Exon 6
	49740	49835	+	Exon 7
	50262	50330	+	Exon 8
	50683	50806	+	Exon 9
	51100	51167	+	Exon 10
	51492	51623	+	Exon 11
	52084	52156	+	Exon 12
	52481	52593	+	Exon 13
	52698	52757	+	Exon 14
	52939	53224	+	Exon 15
<i>syngap1</i>				Pseudogene?
	58623	58740	–	Exon 24
	67753	67820	–	Exon 23
	69603	69675	–	Exon 22
	70326	70537	–	Exon 21
	74020	74193	–	Exon 20
	78632	78664 ?	–	Exon 19
	78745 ?	79144	–	Exon 18
	79400	79792	–	Exon 17
	?	80070	–	Exon 16
	80214	80424	–	Exon 15

¹ Sequence IDs (SeqID) from main text Figure 2. icp = unknown immunoglobulin domain containing protein, clect = c-type lectin family protein

² n.d. = not detected. ? = uncertainty due to the presence of undetermined N residues, the absence of consensus sequences observed at splicing sites, the absence of exon coding peptide present in vertebrate homologs, and/or the difficulty in finding exons by homology search due to non-conservative nature of peptide etc.

³ "+" = sense; "-" = antisense

⁴ TM = transmembrane (inferred by TMHMM ver 2.0), CY = cytoplasmic, CP = connecting peptide, Z = last exon when total number of exons is unknown

	80678	80910	—	Exon 14
	84016	84217	—	Exon 13
	84628	84864	—	Exon 12
	85203	85347	—	Exon 11
	85938	86082	—	Exon 10
	86320	86655	—	Exon 9
	87601	87840	—	Exon 8
	87942	88040	—	Exon 7
	88367	88520	—	Exon 6
	89368	89489	—	Exon 5
	n.d.	n.d.		Exon 4
	102858	102963	—	Exon 3
	103372	103477	—	Exon 2
	n.d.	n.d.		Exon 1
<i>zbtb22.1</i>				Pseudogene?
	113137 ?	113333 ?	—	Exon
	113869	114038	—	Exon 3
	115234	?	—	Exon 2
	?	117175	—	Exon 1
<i>kifc1</i>				
	125588	125599	+	Exon 1
	125785	125901	+	Exon 2
	126121	126229	+	Exon 3
	126334	126390	+	Exon 4
	126570	126614	+	Exon 5
	128411	128606	+	Exon 6
	128857	129022	+	Exon 7
	129131	129298	+	Exon 8
	130647	130769	+	Exon 9
	131082	131366	+	Exon 10
	131452	131619	+	Exon 11
	131761	131899	+	Exon 12
	132114	132253	+	Exon 13
	132371	132444	+	Exon 14
	132661	132736	+	Exon 15
	133236	133280	+	Exon 16
<i>zbtb22.2</i>				Pseudogene?
	135534	?	+	Exon 1 (alternatively spliced?)
	136587	136784	+	Exon 1
	137829	?	+	Exon 2
	139019 ?	139688	+	Exon
	139789	140392	+	Exon
<i>gpm3</i>				
	147371	147520	—	Exon 4
	147723	147979	—	Exon 3
	148514	148688	—	Exon 2
	148961	149542	—	Exon 1
<i>pbx2</i>				
	153452	153696	+	Exon 1
	155163	155236	+	Exon 2
	156092	156354	+	Exon 3
	157898	158088	+	Exon 4
	158259	158394	+	Exon 5
	160143	160272	+	Exon 6
	161805	161902	+	Exon 7
	162152	162199	+	Exon 8
	162360	162440	+	Exon 9
<i>daxx</i>				
	164214	164273	—	Exon 10
	164349	164484	—	Exon 9

	166760	167381	–	Exon 8
	167843	168053	–	Exon 7
	168269	168441	–	Exon 6
	168591	168822	–	Exon 5
	170375	170491	–	Exon 4
	170766	170897	–	Exon 3
	171382	171759	–	Exon 2
	172095	172382	–	Exon 1
<i>tapbp</i>				
	n.d.	n.d.		Exon 1
	177255	177440	+	Exon 2
	177637	177885	+	Exon 3
	178204	178563	+	Exon 4
	179221	179556	+	Exon 5
	179910	180011	+	Exon 6
	n.d.	n.d.		Exon 7
	n.d.	n.d.		Exon 8
<i>notchl</i>				
	182381	182888	–	Exon 11
	183192	183547	–	Exon 10
	184141	184238	–	Exon 9
	184504	184618	–	Exon 8
	185184	185230	–	Exon 7
	185413	185591	–	Exon 6
	186168	186471	–	Exon 5
	186578	186807	–	Exon 4
	187153	187506	–	Exon 3
	188358	188490	–	Exon 2
	195289	195349	–	Exon 1
<i>mhc1uaa</i>				
	205134	205185	+	Exon 1: Leader peptide
	208837	209058	+	Exon 2: Alpha1 domain
	209254	209529	+	Exon 3: Alpha2 domain
	210044	211357	+	Exon 4: Alpha1 domain (undetermined N residues in the middle)
	n.d.	n.d.		Exon 5: Alpha2 domain
	221868	222125	+	Exon 6: Alpha3 domain
	222215	222316	+	Exon 7: CP, TM, CY domain
	222692	222715	+	Exon 8: CY domain
	222831	222883	+	Exon 9: CY domain
<i>mhc1uba</i>				
	235431	235459	–	Exon 6: CY domain
	236033	236131	–	Exon 5: CP, TM, CY domain
	236325	236600	–	Exon 4: Alpha3 domain
	239622	239900	–	Exon 3: Alpha2 domain
	240070	240330	–	Exon 2: Alpha1 domain
	240787	240832	–	Exon 1: Leader peptide
<i>mhc1uca</i>				Pseudogene
	241130	241149	+	Exon 1: Leader peptide
	241986	242206	+	Exon 2: Alpha1 domain
	242696 ?	242946	+	Exon 3: Alpha2 domain
<i>mhc1uda</i>				Pseudogene
	248027	248286	+	Exon 2: Alpha1 domain
	248466	248744	+	Exon 3: Alpha2 domain
	248889	249158	+	Exon 4: Alpha3 domain
<i>psmb9</i>				
	256337	256464	–	Exon 6
	256670	256811	–	Exon 5
	259151	259280	–	Exon 4

	260739	260870	–	Exon 3
	262080	262147	–	Exon 2
	262279	262326	–	Exon 1
<i>psmb12</i>				
	263637	263764	–	Exon 6
	264410	264554	–	Exon 5
	264956	265085	–	Exon 4
	265216	265347	–	Exon 3
	265821	265891	–	Exon 2
	266588	266635	–	Exon 1
<i>psmb13</i>				
	267676	267737	+	Exon 1
	268109	268199	+	Exon 2
	268515	268612	+	Exon 3
	269339	269482	+	Exon 4
	269660	269775	+	Exon 5
	270142	270200	+	Exon 6
	270466	270617	+	Exon 7
	271014	271125	+	Exon 8
<i>psmb8</i>				
	274422	274562	+	Exon 1
	275291	275441	+	Exon 2
	275810	275921	+	Exon 3
	276875	277004	+	Exon 4
	277406	277610	+	Exon 5
	278001	278089	+	Exon 6
<i>mhc1uea</i>				Pseudogene (Four alternatively spliced forms)
	285173	285225	–	Exon 7: CY domain (alt4)
	287179	287205	–	Exon 6: CY domain (alt4)
	287457	287561	–	Exon 5: CP, TM, CY domain (alt4)
	287615 ?	287929	–	Exon 4: Alpha3 domain (TC dinucleotide repeat in the middle) (alt4)
	287546	287573	–	Exon 5: (alt3)
	287695	287929	–	Exon 4: Alpha3 domain (alt3)
	287728	287929	–	Exon 4: (alt1)
	288616	288727	–	Exon 3: (alt1)
	289004	289268		Exon 2: Alpha1 domain (alt2)
	289047	289268	–	Exon 2: Alpha1 domain (alt1,alt3,alt4)
	290637	290688	–	Exon 1: Leader peptide (alt1,alt2,alt3,alt4)
<i>mhc1ufa</i>				Pseudogene
	291753 ?	291854 ?	+	Exon 3: alpha3 domain (partial)
<i>mhc1uga</i>				Pseudogene
	295609	295648	–	Exon 6: CY domain
	296030	296114	–	Exon 5: CP, TM, CY domain
	296262	296411	–	Exon 4: Alpha3 domain
	298075	298329	–	Exon 3: Alpha2 domain
	298649	298873	–	Exon 2: Alpha1 domain
	299089	299137	–	Exon 1: Leader peptide
<i>mhc1uha</i>				Pseudogene?
	300320	300580	+	Exon 2: Alpha1 domain
	300668	300946	+	Exon 3: Alpha2 domain
	301161	301445	+	Exon 4: Alpha3 domain
	307643	307747	+	Exon 5: CP, TM, CY domain
<i>tap1</i>				
	312828	313067	–	Exon 11
	313278	313414	–	Exon 10
	313569	313728	–	Exon 9
	313811	313984	–	Exon 8

	314075	314263	–	Exon 7
	314520	314648	–	Exon 6
	314734	314931	–	Exon 5
	315486	315691	–	Exon 4
	315948	316078	–	Exon 3
	316258	316372	–	Exon 2
	316938	317469	–	Exon 1
<i>tap2.1</i>				Pseudogene?
	320939	321461	+	Exon 1
	321575	321689	+	Exon 2
	321922	322052	+	Exon 3
	323431	323636	+	Exon 4
	323872	324069	+	Exon 5
	326227	326355	+	Exon 6
	327137	327325	+	Exon 7
	327585	327758	+	Exon 8
	327852	?	+	Exon 9
<i>tap2.2</i>				
	329422	329944	+	Exon 1
	330191	330305	+	Exon 2
	330680	330810	+	Exon 3
	331046	331251	+	Exon 4
	331814	332011	+	Exon 5
	332787	332915	+	Exon 6
	333067	333255	+	Exon 7
	333788	333961	+	Exon 8
	334343	334502	+	Exon 9
	336348	336484	+	Exon 10
	336794	337006	+	Exon 11
<i>mhc1uia</i>				Pseudogene?
	348317	348583	–	Exon 4: Alpha3 domain
	349183	349461	–	Exon 3: Alpha2 domain
	352095	352355	–	Exon 2: Alpha1 domain
<i>mhc1uja</i>				Pseudogene?
	366635	?	+	Exon 3: Alpha2 domain
<i>mhc1uka</i>				Pseudogene
	368343	368618	+	Exon 3: Alpha2 domain
	369159	369232 ?	+	Exon 4: Alpha3 domain(partial)
<i>mhc1ula</i>				Pseudogene
	370502	370760	–	Exon 2: Alpha1 domain
<i>brd2</i>				Exon 1
	387833	387864	+	Exon 1
<i>brd2</i>				Exons 2-7
	395481	395609	–	Exon 7
	395707	396225	–	Exon 6
	396408	396598	–	Exon 5
	396681	396828	–	Exon 4
	397163	397300	–	Exon 3
	397396	397723	–	Exon 2
<i>brd2</i>				Exons 8-11
	399445	399707	+	Exon 8
	399922	400355	+	Exon 9
	401957	402085	+	Exon 10
	402431	402564	+	Exon 11
<i>mhc2dkb</i>				
	424882	424951	+	Exon 1: Leader peptide

	426976	427248	+	Exon 2: Beta1 domain
	429867	430148	+	Exon 3: Beta2 domain
	432848	432961	+	Exon 4: CP, TM, CY domain
	433410	433435	+	Exon 5: CY domain
<i>mhc2dia</i>				Pseudogene?
	450720	450780	+	Exon 1: Leader peptide
	454782	454821	+	Exon 1: Leader peptide (alternatively spliced)
	455668	455916	+	Exon 2: Alpha1 domain
<i>mhc2dib</i>				Pseudogene
	469342	469410	+	Exon 1: Leader peptide
<i>mhc2dib</i>				Pseudogene?
	480386	480411	–	Exon 5: CY domain
<i>mhc2dib</i>				Exons 3-5
	490631	490909	+	Exon 3: Beta2 domain
	491658	491771	+	Exon 4: CP, TM, CY domain
	492265	492290	+	Exon 5: CY domain
<i>mhc2dib</i>				Exon 1
	499654	499741	–	Exon 1: Leader peptide
<i>mhc2dia</i>				
	508169	508293	–	Exon 4: CP, TM, CY domain
	509477	509758	–	Exon 3: Alpha2 domain
	510920	511171	–	Exon 2: Alpha1 domain
	511659	511725	–	Exon 1: Leader peptide
<i>mhc2dib1</i>				
	528274	528299	–	Exon 5: CY domain
	528426	528542	–	Exon 4: CP, TM, CY domain
	529077	529355	–	Exon 3: Beta2 domain
	530404	530676	–	Exon 2: Beta1 domain
	n.d.	n.d.		Exon 1: Leader peptide
<i>mhc2dha1</i>				Exons 3-4
	539199	539323	–	Exon 4: CP, TM, CY domain
	539669	539950	–	Exon 3: Alpha2 domain
<i>mhc2dha1</i>				Exons 1-2
	546085	546148	+	Exon 1: Leader peptide
	547803	548063	+	Exon 2: Alpha1 domain
<i>mhc2dea</i>				Exon 1
	552956	553019	–	Exon 1: Leader peptide
<i>mhc2dea</i>				Exons 2-4
	555312	555566	+	Exon 2: Alpha1 domain
	558022	558303	+	Exon 3: Alpha2 domain
	560936	561060	+	Exon 4: CP, TM, CY domain
<i>mhc2deb</i>				
	568238	568337	+	Exon 1: Leader peptide
	569357	569626	+	Exon 2: Beta1 domain
	574282	574563	+	Exon 3: Beta2 domain
	575070	575183	+	Exon 4: CP, TM, CY domain
	576095	576120	+	Exon 5: CY domain
<i>mhc2dxa</i>				Pseudogene?
	588971	589089	–	Exon 4: CP, TM, CY domain
<i>mhc2dga</i>				
	618055	618112	+	Exon 1: Leader peptide
	619049	619303	+	Exon 2: Alpha1 domain

	620850	621131	+	Exon 3: Alpha2 domain
	624432	624556	+	Exon 4; CP, TM, CY domain
<i>mhc2dgb</i>				
	644718	644781	+	Exon 1: Leader peptide
	645392	645664	+	Exon 2: Beta1 domain
	647043	647324	+	Exon 3: Beta2 domain
	647534	647647	+	Exon 4: CP, TM, CY domain
	648139	648164	+	Exon 5: CY domain
<i>mhc2dgb</i>				
	669089	669114	–	Exon 5: CY domain
	669506	669622	–	Exon 4: CP, TM, CY domain
	670333	670611	–	Exon 3: Beta2 domain
	672028	672297	–	Exon 2: Beta1 domain
	675580	675667	–	Exon 1: Leader peptide
<i>mhc2dha2</i>				Pseudogene
	679296	679420	–	Exon 4: CP, TM, CY domain
	680045	680327	–	Exon 3: Alpha2 domain
	681821	682075	–	Exon 2: Alpha1 domain
	686434	686500	–	Exon 1: Leader peptide
<i>hsd17b8</i>				Exon 1
	699291	699336	+	Exon 1
<i>hsd17b8</i>				Exons 2-3
	701480	701596	–	Exon 3
	701692	701903	–	Exon 2
<i>col11a2</i>				Exons 38-41
	703127	703180	+	Exon 38
	703296	703403	+	Exon 39
	704204	704311	+	Exon 40
	704766	704819	+	Exon 41
<i>hsd17b8</i>				Last 4 exons
	708078	708162	+	Exon Z-3
	708292	708334	+	Exon Z-2
	708459	708533	+	Exon Z-1
	708741	708760	+	Exon Z
<i>col11a2</i>				Exons 47-63
	711832	711978	–	Exon 63
	712223	712459	–	Exon 62
	712935	713003	–	Exon 61
	713197	713309	–	Exon 60
	714386	714671	–	Exon 59
	714889	714942	–	Exon 58
	715098	715133	–	Exon 57
	715267	715320	–	Exon 56
	715549	715710	–	Exon 55
	716608	716661	–	Exon 54
	717767	717874	–	Exon 53
	718497	718550	–	Exon 52
	718671	718724	–	Exon 51
	718872	718925	–	Exon 50
	719295	719348	–	Exon 49
	720287	720394	–	Exon 48
	720638	720691	–	Exon 47
<i>col11a2</i>				Exons 42-46
	722168	722221	+	Exon 42
	722547	722654	+	Exon 43
	723317	723370	+	Exon 44
	723505	723558	+	Exon 45

	724399	724452	+	Exon 46
<i>col11a2</i>				Exons 6-37
	726065	726262	–	Exon 37
	727239	727292	–	Exon 36
	727472	727525	–	Exon 35
	727625	727678	–	Exon 34
	727842	727886	–	Exon 33
	727992	728045	–	Exon 32
	729370	729414	–	Exon 31
	729735	729788	–	Exon 30
	730131	730184	–	Exon 29
	n.d.	n.d.		Exon 28
	n.d.	n.d.		Exon 27
	n.d.	n.d.		Exon 26
	n.d.	n.d.		Exon 25
	731442	731495	–	Exon 24
	731918	731962	–	Exon 23
	732173	732226	–	Exon 22
	732443	732487	–	Exon 21
	734877	734930	–	Exon 20
	735130	735174	–	Exon 19
	735286	735339	–	Exon 18
	n.d.	n.d.		Exon 17
	n.d.	n.d.		Exon 16
	737261	737314	–	Exon 15
	737450	737503	–	Exon 14
	737648	737701	–	Exon 13
	737902	737955	–	Exon 12
	738309	738365	–	Exon 11
	738617	738703	–	Exon 10
	739331	739405	–	Exon 9
	739670	739732	–	Exon 8
	740023	740064	–	Exon 7
	740166	740219	–	Exon 6
<i>col11a2</i>				Exons 1-4
	747326	747445	–	Exon 4
	747829	747991	–	Exon 3
	748258	748468	–	Exon 2
	748598	748835	–	Exon 1
<i>col11a2</i>				Exon 5
	753957	754331	+	Exon 5
<i>rxrb</i>				Exons 2-12
	776269	776416	–	Exon 12
	776553	776658	–	Exon 11
	776834	776925	–	Exon 10
	777473	777514	–	Exon 9
	779312	779444	–	Exon 8
	780673	780802	–	Exon 7
	781029	781192	–	Exon 6
	781777	781800	–	Exon 5
	782296	782475	–	Exon 4
	784840	784996	–	Exon 3
	785339	785580	–	Exon 2
<i>rxrb</i>				Exon 1
	790681	790696	+	Exon 1
<i>cdc40</i>				Pseudogene?
	833577	833754	+	Exon Z
<i>icp.1</i>				Pseudogene?
	838885	838969	–	Exon 4

<i>icp.2</i>				Pseudogene?
	843607	843691	–	Exon 4
<i>slc39a7</i>				
	847324	847821	+	Exon 1
	847982	848150	+	Exon 2
	848735	848767 ?	+	Exon 3 (partial, duplicate?)
	849788	849880	+	Exon 3
	850067	850201	+	Exon 4
	850414	850542	+	Exon 5
	854535	854731	+	Exon 6
	854901	855155	+	Exon 7
<i>icp.3</i>				Pseudogene?
	858743	858838	–	Exon 3
<i>icp.4</i>				Pseudogene?
	865043	?	+	Exon 2
<i>icp.5</i>				Pseudogene?
	870100	870178	–	Exon 4
	871473	871608	–	Exon 3
<i>icp.6</i>				Pseudogene?
	873283	873418	–	Exon 3
	874155	874475	–	Exon 2
<i>icp.7</i>				Pseudogene
	878636	878878	+	Exon 2
	882378	882462	+	Exon 4
<i>ring1</i>				
	891133	891210	+	Exon 1
	891286	891446	+	Exon 2
	891643	891858	+	Exon 3
	892109	892387	+	Exon 4
	895234	895501	+	Exon 5
	895724	895825	+	Exon 6
<i>rps18</i>				
	897036	897111	–	Exon 6
	898978	899069	–	Exon 5
	899315	899416	–	Exon 4
	899633	899719	–	Exon 3
	899811	899909	–	Exon 2
	900691	900693	–	Exon 1
<i>vps52</i>				
	901224	901532	+	Exon 1
	901775	901862	+	Exon 2
	901946	901998	+	Exon 3
	902584	902659	+	Exon 4
	902907	902974	+	Exon 5
	903065	903240	+	Exon 6
	903373	903523	+	Exon 7
	903615	903715	+	Exon 8
	903825	903957	+	Exon 9
	904216	904273	+	Exon 10
	904637	904770	+	Exon 11
	904858	905013	+	Exon 12
	905181	905299	+	Exon 13
	905393	905516	+	Exon 14
	905801	905896	+	Exon 15
	906139	906246	+	Exon 16
	906337	906402	+	Exon 17

	906538	906649	+	Exon 18
	906738	906856	+	Exon 19
	908660	908806	+	Exon 20
<i>atf6b</i>				
	932406	932478	+	Exon 1
	934262	934341	+	Exon 2
	934453	934534	+	Exon 3
	934819	934878	+	Exon 4
	936124	936212	+	Exon 5
	936300	936507	+	Exon 6
	937157	937300	+	Exon 7
	937417	937583	+	Exon 8
	937860	938051	+	Exon 9
	938235	938323	+	Exon 10
	941861	942091	+	Exon 11
	943326	943433	+	Exon 12
	943520	943619	+	Exon 13
	943747	943814	+	Exon 14
	943936	944077	+	Exon 15
	943936	944035	+	Exon 15 (alternatively spliced)
	945347	945431	+	Exon 16 (alternatively spliced)
	945529	?	+	Exon 17 (alternatively spliced)
<i>icp.8</i>				Pseudogene?
	950922	950988	+	Exon 1
	951370	951436	+	Exon 1 (alternatively spliced?)
	953315	953635	+	Exon 2
<i>icp.9</i>				Pseudogene?
	958314	958634	+	Exon 2
<i>gimap4.1</i>				
	968285	969763	–	Exon 1
<i>mhc1paa</i>				Pseudogene
	973022?	973265	–	Exon 4: Alpha3 domain (partial)
<i>mhc1pba</i>				Pseudogene?
	981152	981421	+	Exon 3: Alpha2 domain
	981819	982079	+	Exon 4: Alpha3 domain
<i>c4</i>				Two exons (11/12) are encoded in Aca_scaf_1593
	986337	986398	+	Exon 1
	987151	987340	+	Exon 2
	987535	987706	+	Exon 3
	987793	987863	+	Exon 4
	987967	988058	+	Exon 5
	988216	988298	+	Exon 6
	989481	989568	+	Exon 7
	989916	990021	+	Exon 8
	990427	990550	+	Exon 9
	990709	990821	+	Exon 10
	992016	992201	+	Exon 13
	992342	992494	+	Exon 14
	992584	992710	+	Exon 15
	992823	992894	+	Exon 16
	992986	993192	+	Exon 17
	993627	993738	+	Exon 18
	994111	994181	+	Exon 19
	994329	994468	+	Exon 20
	994689	994904	+	Exon 21
	995198	995255	+	Exon 22
	995360	995449	+	Exon 23
	995615	995821	+	Exon 24
	995932	996007	+	Exon 25

	996435	996591	+	Exon 26
	996765	996869	+	Exon 27
	997159	997321	+	Exon 28
	997635	997849	+	Exon 29
	998205	998363	+	Exon 30
	998527	998586	+	Exon 31
	998747	998837	+	Exon 32
	998953	999169	+	Exon 33
	999360	999450	+	Exon 34
	999570	999644	+	Exon 35
	999946	1000048	+	Exon 36
	1000604	1000693	+	Exon 37
	1000910	1001002	+	Exon 38
	1001243	1001326	+	Exon 39
	1003438	1003570	+	Exon 40
	1003724	1003871	+	Exon 41
<i>tnxb</i>				
	1026349 ?	1026692	+	Exon Z-15
<i>tnxb</i>				
	1027823	1027929	+	Exon Z-13
	1032524	1032677	+	Exon Z-12
	1032845	1033117	+	Exon Z-11
	1040027	1040149	+	Exon Z-10
<i>tnxb</i>				
	1042837	?	+	Exon Z-14
<i>gimap4.2</i>				Pseudogene
	1044027 ?	1044804 ?	+	
<i>tnxb</i>				
	1045894	1045992	–	Exon Z
	1046225	1046388	–	Exon Z-1
	1046747	1046908	–	Exon Z-2
	1047187	1047283	–	Exon Z-3
	1047412	1047563	–	Exon Z-4
	1047787	1047919	–	Exon Z-5
	1048220	1048362	–	Exon Z-6
	1048815	1048964	–	Exon Z-7
	1049254	1049373	–	Exon Z-8
	1049586	1049729	–	Exon Z-9
<i>gimap4.3</i>				Pseudogene
	1050769 ?	1050931 ?	–	
<i>gimap4.4</i>				Pseudogene
	1060177 ?	1060085 ?	–	
<i>psmb10l</i>				
	1067292	1067403	–	Exon Z
	1067574	1067725	–	Exon Z-1
	1067887	1067945	–	Exon Z-2
	1068068	1068183	–	Exon Z-3
	1068319	1068459	–	Exon Z-4
	1068658	1068755	–	Exon Z-5
	1069107	1069200	–	Exon Z-6
<i>lhx2/9l</i>				Pseudogene?
	1070956	1071143	+	Exon Z-3
	1071297	1071405	+	Exon Z-2

	1071607	1071769	+	Exon Z-1
	1073140	1073526	+	Exon Z
<i>cyp21a2</i>				Pseudogene?
	1077728	1077817	+	Exon Z-9
	1078069	1078223	+	Exon Z-8
	n.d.	n.d.		Exon Z-7
	1080770	1080880	+	Exon Z-6
	1081334	1081420	+	Exon Z-5
	1081670	1081759	+	Exon Z-4
	1081899	1082012	+	Exon Z-3
	1083436	1083602	+	Exon Z-2
	1084926	1085029	+	Exon Z-1
	1085722	1085990	+	Exon Z
<i>mhc1zaa</i>				
	1089923	1089977	+	Exon 1: Leader peptide
	1091777	1092043	+	Exon 2: Alpha1 domain
	1092867	1093157	+	Exon 3: Alpha2 domain
	1094724	1095008	+	Exon 4: Alpha3 domain
	1095150	1095278	+	Exon 5: CP, TM, CY domain
	1095587	1095625	+	Exon 6: CY domain
	1095743	1095799	+	Exon 7: CY domain
	1095949	1096005	+	Exon 8: CY domain
	1096349	1096405	+	Exon 9: CY domain
	1096494	1096603	+	Exon 10: CY domain
<i>mhc1zba</i>				Pseudogene?
	1101036	1101326	+	Exon 3: Alpha2 domain
	1101842	1102132	+	Exon 4: Alpha3 domain
<i>mhc1zca</i>				Pseudogene (reverse transcriptase like element disrupts exons coding alpha1 and alpha2 domains)
	1106121	1106175	+	Exon 1: Leader peptide
	1106759	1106795 ?	+	Exon 2: Alpha1 domain
	1107106 ?	1107262	+	Exon 3: Alpha2 domain
	1107427	1107717	+	Exon 4: Alpha3 domain
<i>usp_si:ch211-212k18.13</i>				Exons 8-14
	1110276	1110362	–	Exon 14
	1113447	1113553	–	Exon 13
	1115726	1115781	–	Exon 12
	1116679	1116722	–	Exon 11
	1117940	1118023	–	Exon 10
	1118400	1118450	–	Exon 9
	1119459	1119590	–	Exon 8
<i>usp_si:ch211-212k18.13</i>				Exons 6-7
	1122848	1123003	+	Exon 6 (alternatively spliced, initiation codon present)
	1122908	1123003	+	Exon 6
	1123208	1123339	+	Exon 7
<i>usp_si:ch211-212k18.13</i>				Exons 1-5
	1126632	1126763	–	Exon 5
	1129252	1129322	–	Exon 4
	1129763	1129884	–	Exon 3
	1131725	1131821	–	Exon 2
	1134503	1134536	–	Exon 1
<i>ubl_zgc:194655</i>				
	1136550	1136674	–	Exon 2
	1137498	1137642	–	Exon 1

<i>rnf_si:ch211-212k18.15</i>				
	1143909	1143915	+	Exon 1
	1145793	1145893	+	Exon 2
	1146056	1146229	+	Exon 3
	1146680	1147132	+	Exon 4
<i>rnf5</i>				
	1165544	1165662	–	Exon 6
	1167637	1167748	–	Exon 5
	1167873	1167927	–	Exon 4
	1168123	1168235	–	Exon 3
	1168462	1168480	–	Exon 2
	1170629	1170846	–	Exon 1
<i>trim69</i>				
	1171681	1172291	–	Exon 6
	1175387	1175505	–	Exon 5
	1175897	1175919	–	Exon 4
	1176488	1176727	–	Exon 3
	1177007	1177102	–	Exon 2
	1178459	1179064	–	Exon 1
<i>slc44a4</i>				
	1182519	1182649	–	Exon 22
	1182774	1182858	–	Exon 21
	1183071	1183165	–	Exon 20
	1183724	1183794	–	Exon 19
	1183919	1183992	–	Exon 18
	1184137	1184240	–	Exon 17
	1184354	1184448	–	Exon 16
	1184537	1184793	–	Exon 15
	1184891	1184993	–	Exon 14
	1185101	1185193	–	Exon 13
	1185588	1185687	–	Exon 12
	1185957	1186079	–	Exon 11
	1186178	1186290	–	Exon 10
	1186454	1186540	–	Exon 9
	1186843	1186957	–	Exon 8
	1187045	1187105	–	Exon 7
	1187295	1187417	–	Exon 6
	1187686	1187785	–	Exon 5
	1187907	1187985	–	Exon 4
	1188437	1188510	–	Exon 3
	1189069	1189117	–	Exon 2
	1190876	1190915	–	Exon 1
<i>ehmt2</i>				Last 15 exons
	1193270	1193450	–	Exon Z
	1193691	1193866	–	Exon Z-1
	1194184	1194262	–	Exon Z-2
	1194434	1194520	–	Exon Z-3
	1194934	1195049	–	Exon Z-4
	1196965	1197042	–	Exon Z-5
	1197270	1197414	–	Exon Z-6
	1197704	1197871	–	Exon Z-7
	1198089	1198243	–	Exon Z-8
	1198324	1198428	–	Exon Z-9
	1198604	1198705	–	Exon Z-10
	1198976	1199098	–	Exon Z-11
	1199439	1199545	–	Exon Z-12
	1199632	1199714	–	Exon Z-13
	1199800	1199991	–	Exon Z-14
<i>ehmt2</i>				Exons 1-7
	1207564	1207713	+	Exon 1
	1208295	1208379	+	Exon 2

	1208572	1208645	+	Exon 3
	1208767	1208931	+	Exon 4
	1209196	1209267	+	Exon 5
	1209417	1209534	+	Exon 6
	1209650	1209745	+	Exon 7
<i>zbtb12</i>				Exons 1-3
	1215227	1215415	–	Exon 3
	1215693	1215875	–	Exon 2
	1215952	1216155	–	Exon 1
<i>zbtb12</i>				Last exon
	1218142 ?	1218499 ?	+	Exon (alternatively spliced?)
	1219495	1219590	+	Exon Z
<i>gimap4l</i>				Pseudogene
	1219725 ?	1220375 ?	–	
<i>gimap7l</i>				Pseudogene
	1235678 ?	1236385 ?	–	
<i>gimap4.5</i>				Pseudogene
	1241760 ?	1243598 ?		
<i>gimap4.6</i>				Pseudogene
	1248533 ?	1249065 ?	–	
<i>trim108/109</i>				
	1253697	1254229	–	Exon 6
	1254789	1254904	–	Exon 5
	1255647	1255738	–	Exon 4
	1256084	1256317	–	Exon 3
	1258934	1259029	–	Exon 2
	1260693	1261091	–	Exon 1
<i>cfb.1</i>				Exon 1-11
	n.d.	n.d.		Exon 1
	1267046	1267234	+	Exon 2
	1268080	1268265	+	Exon 3
	1268594	1268767	+	Exon 4
	1269084	1269173	+	Exon 5
	1269427	1269566	+	Exon 6
	1269832	1269967	+	Exon 7
	1270415	1270546	+	Exon 8
	1271132	1271230	+	Exon 9
	1271872	1272009	+	Exon 10
	1273980	1274096	+	Exon 11
<i>cfb.1</i>				Last 5 exons
	1280729	1280805	+	Exon Z-4
	1280920	1281020	+	Exon Z-3
	1282037	1282166	+	Exon Z-2
	1282263	1282312	+	Exon Z-1
	1283842	1284012	+	Exon Z
<i>cfb.2</i>				
	n.d.	n.d.		Exon 1
	1287224	1287418	+	Exon 2
	1288128	1288313	+	Exon 3
	1288419	1288598	+	Exon 4
	1288762	1288860	+	Exon 5
	1289076	1289215	+	Exon 6

	1289432	1289567	+	Exon 7
	1289767	1289898	+	Exon 8
	1290486	1290581	+	Exon 9
	1291204	1291341	+	Exon 10
	1291517	1291633	+	Exon 11
	1291757	1291896	+	Exon 12
	1292067	1292170	+	Exon 13
	1292367	1292443	+	Exon 14
	1292836	1292936	+	Exon 15
	1293356	1293485	+	Exon 16
	1294825	1294874	+	Exon 17
	1295196	1295375	+	Exon 18
<i>nelfe</i>				
	1296350	1296426	–	Exon 10
	1296904	1297006	–	Exon 9
	1297811	1297865	–	Exon 8
	1298147	1298291	–	Exon 7
	1298407	1298732	–	Exon 6
	1298841	1298875	–	Exon 5
	1299138	1299212	–	Exon 4
	1299349	1299494	–	Exon 3
	1299689	1299758	–	Exon 2
	1299950	1300024	–	Exon 1
<i>skiv2l</i>				
	1300911	1300935	+	Exon 1
	1301516	1301637	+	Exon 2
	1301806	1301927	+	Exon 3
	1302195	1302312	+	Exon 4
	1302565	1302679	+	Exon 5
	1302973	1303047	+	Exon 6
	1303289	1303342	+	Exon 7
	1303528	1303700	+	Exon 8
	1304044	1304220	+	Exon 9
	1304401	1304546	+	Exon 10
	1306404	1306550	+	Exon 11
	1306700	1306784	+	Exon 12
	1307952	1308058	+	Exon 13
	1308449	1308595	+	Exon 14
	1308781	1308877	+	Exon 15
	1309018	1309230	+	Exon 16
	1309520	1309630	+	Exon 17
	1309956	1310067	+	Exon 18
	1310250	1310368	+	Exon 19
	1310730	1310867	+	Exon 20
	1311334	1311471	+	Exon 21
	1311550	1311654	+	Exon 22
	1311796	1311940	+	Exon 23
	1312215	1312341	+	Exon 24
	1312484	1312694	+	Exon 25
	1312967	1313077	+	Exon 26
	1313341	1313559	+	Exon 27
	1313672	1313812	+	Exon 28
	1315358	1315558	+	Exon 29
<i>tmem268l</i>				
	1325434	1325582	–	Exon 8
	1325691	1325910	–	Exon 7
	1326371	1326460	–	Exon 6
	1326817	1326927	–	Exon 5
	1327154	1327315	–	Exon 4
	1327411	1327518	–	Exon 3
	1328395	1328483	–	Exon 2
	1328804	1328888	–	Exon 1

<i>prrt1</i>				
	1339886	1340062	–	Exon Z
	1340638	1340829	–	Exon Z-1
	1341381	1341601	–	Exon Z-2
<i>dicp1</i>				Exons 2-8
	1345601	1345744	–	Exon 8
	1346747	1346814	–	Exon 7
	1347497	1347619	–	Exon 6
	1348936	?	–	Exon 5
	1350482	1350802	–	Exon 4
	1352086	1352397	–	Exon 3
	1352818	?	–	Exon 2
<i>dicp1</i>				Exon 1
	1355585	1355660	+	Exon 1
<i>dicp2</i>				AMCP00006279
	1358397	1358531	–	Exon 8
	1358849	1358874	–	Exon 7
	1359086	1359205	–	Exon 6
	1359381	1359653	–	Exon 5
	1360335	1360667	–	Exon 4
	1361071	1361370	–	Exon 3
	1361906	1362190	–	Exon 2
	1365354	1365456	–	Exon 1
<i>dicp3</i>				Pseudogene?
	1368084	1368149	–	Exon 4
	?			
	1368359	1368664	–	Exon 3
	1371345	1371414	–	Exon 1
<i>dicp4</i>				
	1376243	1376318	+	Exon 1
	n.d.	n.d.		Exon 2
	n.d.	n.d.		Exon 3
	1387643	1387963	+	Exon 4
	1394211	1394489	+	Exon 5
	1395121	1395240	+	Exon 6
	1395605	1395645	+	Exon 7
<i>dicp5</i>				AMCP00006282
	1404145	1404214	+	Exon 1
	1409453	1409758	+	Exon 2
	1410230	1410532	+	Exon 3
	1411166	1411486	+	Exon 4
	1411645	1411923	+	Exon 5
	1412454	1412573	+	Exon 6
	1414184	1414224	+	Exon 7
<i>dicp6</i>				AMCP00006281
	1424407	1424476	+	Exon 1
	1428272	1428577	+	Exon 2
	1428904	1429212	+	Exon 3
	n.d.	n.d.		Exon 4
	1429915	1430028	+	Exon (alternatively spliced?)
	1434288	1434386	+	Exon 5
	1434616	1434644	+	Exon 6
	1434793	1434912	+	Exon 7
<i>dicp7</i>				Pseudogene?
	?	1436495	–	Exon 3
	1437010	1437270	–	Exon 2
	1437901	1437970	–	Exon 1

<i>clect.1</i>				Pseudogene
	1442089	1442181	–	Exon 5
	1442624	1442715	–	Exon 4
	1443423	1443735 ?	–	Exon 3
	1444401	?	–	Exon 2
<i>dicp8</i>				Pseudogene
	1454249	1454513	+	Exon 2
	1456835	1457113	+	Exon 3
	1457906	1458190	+	Exon 4
	1458741	1458849	+	Exon 5
<i>clect.2</i>				
	1461849	1461941	–	Exon 5
	1462110	1462201	–	Exon 4
	1462914	1463249	–	Exon 3
	1463699	1464040	–	Exon 2
	1464817	1464853	–	Exon 1
<i>prrc2a</i>				
	1474877	1478234	–	Exon 16
	1478534	1478744	–	Exon 15
	1478984	1479326	–	Exon 14
	1482634	1482824	–	Exon 13
	1482982	1483768	–	Exon 12
	1484001	1484123	–	Exon 11
	1484250	1484415	–	Exon 10
	1484683	1484785	–	Exon 9
	1485102	1485244	–	Exon 8
	1485571	1485653	–	Exon 7
	1485831	1486066	–	Exon 6
	1486229	1486372	–	Exon 5
	1486839	1486914	–	Exon 4
	1487090	1487186	–	Exon 3
	1487309	1487486	–	Exon 2
	1487596	1487710	–	Exon 1
<i>aif1</i>				Exon 2-6
	1494931	1495018	–	Exon 6
	1495463	1495625	–	Exon 5
	1496447	1496488	–	Exon 4
	1496929	1496995	–	Exon 3
	1497992	1498053	–	Exon 2
<i>aif1</i>				Exon 1
	1506035	1506053	+	Exon 1
<i>dicp9</i>				Pseudogene?
	1507477	1507782	–	Exon 2
	1510441	1510507	–	Exon 1
<i>dicp10</i>				Pseudogene?
	1519231	1519297	+	Exon 1
	1522459	1522764	+	Exon 2
<i>clect.3</i>				Pseudogene
	1529756	1530085	+	Exon 3
	1530711	1530795 ?	+	Exon 4
<i>clect.3</i>				Pseudogene
	1534141	1534225	–	Exon 5
<i>dicp10</i>				Pseudogene?
	1536944	1537246	+	Exon 3

<i>dicp11</i>				AMCP00006287
	1539468	1539537	+	Exon 1
	1541367	1541672	+	Exon 2
	1542055	1542360	+	Exon 3
	1543751	1543840	+	Exon 4
	1545112	1545219	+	Exon 5
	1545463	1545491	+	Exon 6
	1545728	1545850	+	Exon 7
<i>dicp12</i>				AMCP00006283
	n.d.	n.d.		Exon 7
	1551713	1551841	–	Exon 6
	1552407	1552700	–	Exon 5
	1553095	1553406	–	Exon 4
	1553673	1553975	–	Exon 3
	1554384	?	–	Exon 2
	1555417	1555492	–	Exon 1
<i>dicp13</i>				Pseudogene?
	1559712	1560025	+	Exon 2
<i>dicp14</i>				AMCP00006286, pseudogene?
	1571311	1571374	+	Exon 1
	1573192	1573497	+	Exon 2
	1574253	1574561	+	Exon 3
	n.d.	n.d.		Exon 4
	1574742	1574849	+	Exon 5
<i>dicp15</i>				Pseudogene?
	1583906	1584026	–	Exon 6
<i>dicp16</i>				AMCP00006291, pseudogene?
	1595671	1595970	–	Exon 3
	?	1597023	–	Exon 3
	1599166	1599459	–	Exon 2
<i>dicp17</i>				Pseudogene?
	1607880	1607990	–	Exon 6
<i>dicp18</i>				Pseudogene
	1614540	?	–	Exon 7
<i>dicp19</i>				AMCP00006292, Exon 6
	1615714	1615824	+	Exon 6
	n.d.	n.d.		Exon 7
<i>dicp19</i>				AMCP00006292, Exons 2-5
	1623154	1623438	–	Exon 5
	1623971	1624273	–	Exon 4
	1633810	1634076	–	Exon 3
	1635087	1635392	–	Exon 2
	n.d.	n.d.		Exon 1
<i>dicp20</i>				AMCP00006288, partial
	1638059	1638128	+	Exon 1
	1641555	1641839	+	Exon 2
	1642120	1642425	+	Exon 3
<i>csnk2b</i>				
	1659186	1659257	+	Exon 1
	1660337	1660439	+	Exon 2
	1660582	1660697	+	Exon 3
	1661078	1661153	+	Exon 4
	1661315	1661504	+	Exon 5
	1661753	1661843	+	Exon 6

<i>spaca4l</i>				
	1678299	1678507	–	Exon 3
	1678691	1678798	–	Exon 2
	1683042	1683093	–	Exon 1
<i>msh5</i>				Exon 24
	1694757	1694868	+	Exon 24
<i>msh5</i>				Exons 5-23
	1700338	1700411	–	Exon 23
	1700606	1700743	–	Exon 22
	1700850	1700996	–	Exon 21
	1701220	1701294	–	Exon 20
	1701573	1701722	–	Exon 19
	1701869	1701995	–	Exon 18
	1702221	1702407	–	Exon 17
	1702491	1702578	–	Exon 16
	1702713	1702793	–	Exon 15
	1703172	1703281	–	Exon 14
	1703460	1703532	–	Exon 13
	1705025	1705153	–	Exon 12
	1705598	1705660	–	Exon 11
	1705957	1706095	–	Exon 10
	1706346	1706391	–	Exon 9
	1706565	1706647	–	Exon 8
	1706823	1706858	–	Exon 7
	1707305	1707414	–	Exon 6
	1707511	1707632	–	Exon 5
<i>msh5</i>				Exon 2
	1709176	1709299	+	Exon 2
<i>cltc1</i>				
	1716060	1716101	+	Exon 1
	1718280	1718389	+	Exon 2
	1718537	1718662	+	Exon 3
	1719046	1719152	+	Exon 4
	1719303	1719484	+	Exon 5
	1719623	1719784	+	Exon 6
<i>lypc</i>				
	1722847	1723058	–	Exon 3
	1723342	1723464	–	Exon 2
	1724089	1724140	–	Exon 1
<i>ddah2</i>				
	1729809	1730126	+	Exon 1
	1731555	1731654	+	Exon 2
	1731782	1731855	+	Exon 3
	1732002	1732121	+	Exon 4
	1733943	1734086	+	Exon 5
	1734195	1734311	+	Exon 6
<i>icp.10</i>				Pseudogene?
	1738412	1738735	+	Exon 3
	1738970	1739700	+	Exon 4
<i>icp.11</i>				
	1749161	1749239	+	Exon 1
	1749564	1749899	+	Exon 2
	1750308	1750613	+	Exon 3
	1752148	1752410	+	Exon 4
<i>icp.12</i>				
	1757820	1757871	+	Exon 1

	1758460	1758807	+	Exon 2
	1759434	1759583	+	Exon 3
	1759797	1759864	+	Exon 4
	1762938	1763018	+	Exon 5
<i>icp.13</i>				Pseudogene?
	1765932	1766243	+	Exon 2
<i>icp.14</i>				Exon 1
	1779221	1779281	–	Exon 1
<i>icp.14</i>				Exons 2-4
	1783239	1783565	+	Exon 2
	1784916	1785218	+	Exon 3
	1786753	1786952	+	Exon 4
<i>icp.15</i>				
	1790970	1791000	+	Exon 1
	1791416	1791784	+	Exon 2
	1792216	1792353	+	Exon 3
	1793372	1793439	+	Exon 4
	1793790	1793915	+	Exon 5
<i>icp.16</i>				
	1804126	1804192	+	Exon 1
	1805287	1805616	+	Exon 2
	1805718	1806023	+	Exon 3
	1807067	1807269	+	Exon 4
<i>rps5l</i>				
	1808725	1808793	–	Exon 5
	1809013	1809111	–	Exon 4
	1809576	1809704	–	Exon 3
	1809855	1810064	–	Exon 2
	1812275	1812379	–	Exon 1
<i>clect.4</i>				
	1825589	1825684	–	Exon 5
	1825917	1826005	–	Exon 4
	1826480	1826830	–	Exon 3
	1829706	?	–	Exon 2
	1831519	1831555	–	Exon 1
<i>clect.5</i>				Pseudogene?
	1849760	1849796	+	Exon 1
	1850238	1850455	+	Exon 2
<i>icp.17</i>				Pseudogene?
	1863784	1864151	+	Exon
<i>ccdc105l</i>				
	1867471	1867671	–	Exon 8
	1867942	1868055	–	Exon 7
	1868314	1868409	–	Exon 6
	1868533	1868699	–	Exon 5
	1869052	1869220	–	Exon 4
	1869417	1869521	–	Exon 3
	1869901	1870173	–	Exon 2
	1870459	1870731	–	Exon 1
<i>clect.6</i>				Pseudogene
	1876777	1877108	+	Exon Z-4
	1877342	1877653	+	Exon Z-3
	1878222	1878566	+	Exon Z-2
	1878943	1879379	+	Exon Z-1 (alternatively spliced?)
	1878943	1879275	+	Exon Z-1

	1879707	1880080	+	Exon Z
<i>traf</i>				
	1884050	1884198	+	Exon 1
	1884608	1884662	+	Exon 2
	1884958	1885062	+	Exon 3
	1885159	1885332	+	Exon 4
	1885557	1885643	+	Exon 5
	1885857	1885913	+	Exon 6
	1886344	1887570	+	Exon 7
<i>icp.18</i>				Pseudogene?
	1907364	1907718	+	Exon
<i>icp.19</i>				Pseudogene?
	1916355	1916702	–	Exon
<i>icp.20</i>				
	1930634	1930884	–	Exon 4
	1931124	1931420	–	Exon 3
	1931582	1931908	–	Exon 2
	1932324	1932402	–	Exon 1
<i>icp.21</i>				Pseudogene?
	1958964	1959317	+	Exon
<i>icp.22</i>				Pseudogene?
	1991592	1991882	–	Exon 3
	1993363	1993692	–	Exon 2
<i>icp.23</i>				Pseudogene?
	2000287	2000673	+	Exon Z-3
	2001051	2001176	+	Exon Z-2
	2002424	2002491	+	Exon Z-1
	2002583	2002711	+	Exon Z
<i>icp.24</i>				
	2011339	2011805	–	Exon 4
	2011899	2012180	–	Exon 3
	2012665	2012991	–	Exon 2
	2013358	2013490	–	Exon 1
<i>mf183l</i>				
	2020894	2021865	–	Exon 1
<i>dhx16</i>				
	2027136	2027264	–	Exon 20
	2027505	2027678	–	Exon 19
	2027816	2027977	–	Exon 18
	2028090	2028252	–	Exon 17
	2028508	2028575	–	Exon 16
	2028667	2028785	–	Exon 15
	2028894	2029056	–	Exon 14
	2029233	2029373	–	Exon 13
	2029680	2029832	–	Exon 12
	2029951	2030049	–	Exon 11
	2030148	2030358	–	Exon 10
	2030523	2030638	–	Exon 9
	2030856	2030966	–	Exon 8
	2031056	2031253	–	Exon 7
	2031427	2031678	–	Exon 6
	2031777	2032031	–	Exon 5
	2032163	2032219	–	Exon 4
	2032598	2032769	–	Exon 3
	2032926	2033170	–	Exon 2
	2033289	2033486	–	Exon 1

<i>nrm</i>				
	2042138	2042294	+	Exon 1
	2043839	2044032	+	Exon 2
	2044132	2044308	+	Exon 3
	2044416	2044724	+	Exon 4
<i>cratb</i>				
	2060716	2060766	+	Exon 1
	2062213	2062428	+	Exon 2
	2062605	2062723	+	Exon 3
	2062811	2062864	+	Exon 4
	2063220	2063385	+	Exon 5
	2063521	2063695	+	Exon 6
	2063799	2063977	+	Exon 7
	2064209	2064309	+	Exon 8
	2064491	2064610	+	Exon 9
	2065257	2065379	+	Exon 10
	2065498	2065633	+	Exon 11
	2065843	2065905	+	Exon 12
	2066010	2066147	+	Exon 13
	2066340	2066549	+	Exon 14
<i>ppt2</i>				
	2069043	2069222	+	Exon 1
	2071127	2071280	+	Exon 2
	2071371	2071466	+	Exon 3
	2071694	2071801	+	Exon 4
	2071920	2072003	+	Exon 5
	2072309	2072393	+	Exon 6
	2072545	2072599	+	Exon 7
	2074060	2074203	+	Exon 8
<i>pde4dipl</i>				
	2080532	2081770	+	Exon 1
	2081862	2081996	+	Exon 2
	2083183	2083293	+	Exon 3
	2083461	2083583	+	Exon 4
	2085216	2085353	+	Exon 5
	2085487	2085666	+	Exon 6
	2086333	2086524	+	Exon 7
	2087529	2087714	+	Exon 8
	2087800	2087904	+	Exon 9
<i>icp.25</i>				Pseudogene
	2098359	2098655	–	Exon
	2098951	2099277	–	Exon
<i>icp.26</i>				Pseudogene?
	2110449	2110745	+	Exon
<i>icp.27</i>				Pseudogene?
	?	2127928	–	Exon
	2128329	2128616	–	Exon
<i>icp.28</i>				Pseudogene?
	2134605	2134937	+	Exon
<i>icp.29</i>				Pseudogene?
	2138308	2138604	–	Exon
	2139493	2139774	–	Exon
	2139938	2140270	–	Exon
<i>icp.30</i>				Pseudogene?
	2159970	2160257	+	Exon
	2160360	2160632	+	Exon

<i>icp.31</i>				Pseudogene?
	2169979	2170283	+	Exon
	2170518	2170823	+	Exon
<i>icp.32</i>				Pseudogene?
	2178176	2178505	+	Exon
<i>icp.33</i>				Pseudogene?
	2191580	2191906	+	Exon
	2192368	2192658	+	Exon
<i>icp.34</i>				Pseudogene?
	2205513	2205845	+	Exon
<i>icp.35</i>				Pseudogene
	2206559	2206875	–	Exon 4
	2207277	2207558	–	Exon 3
	2208545	2208877	–	Exon 2
<i>icp.36</i>				Pseudogene?
	2220351	2220681	–	Exon
<i>icp.37</i>				Pseudogene?
	2229557	2229888	–	Exon Z
	2231141	2231418	–	Exon Z-1
<i>icp.38</i>				Pseudogene?
	2234274	2234719	–	Exon 6
	2235183	2235269	–	Exon 5
	2236278	2236592	–	Exon 4
	2236850	2237140	–	Exon 3
	2237817	2238107	–	Exon 2
	n.d.	n.d.		Exon 1
<i>icp.39</i>				
	2238849	2239039	–	Exon 5
	2240201	2240491	–	Exon 4
	2240811	2240855	–	Exon 3
	2241266	2241598	–	Exon 2
	2242922	2242961	–	Exon 1
<i>icp.40</i>				Pseudogene
	2246930	2247225	–	Exon 2
<i>icp.41</i>				
	2251016	2251335	–	Exon 4
	2251471	2251773	–	Exon 3
	2252014	2252346	–	Exon 2
	2253439	2253478	–	Exon 1
<i>icp.42</i>				
	2270483	2270799	–	Exon 4
	2270968	2271246	–	Exon 3
	2273898	2274167	–	Exon 2
	2274457	2274487	–	Exon 1
<i>clect.7</i>				
	2285679	2285804	–	Exon 5
	2286036	2286124	–	Exon 4
	2286597	2286947	–	Exon 3
	2289159	2289542	–	Exon 2
	2290010	2290046	–	Exon 1
<i>icp.43</i>				
	2296293	2296306	–	Exon 4

	2297475	2297624	–	Exon 3
	2298113	2298463	–	Exon 2
	2300858	2300900	–	Exon 1
<i>icp.44</i>				Pseudogene
	2325525?	2325816	–	Exon
	2327192	2327470	–	Exon
<i>clect.8</i>				
	2342319	2342355	+	Exon 1
	2342737	2343123	+	Exon 2
	2343572	2343922	+	Exon 3
	2344780	2344868	+	Exon 4
	2345094	2345219	+	Exon 5
<i>clect.9</i>				
	2363786	2363822	+	Exon 1
	2364290	2364676	+	Exon 2
	n.d.	n.d.		Exon 3
	n.d.	n.d.		Exon 4
	2370963	2371085	+	Exon 5
<i>clect.10</i>				
	2381526	2381559	+	Exon 1
	2385089	2385475	+	Exon 2
	2387326	2387676	+	Exon 3
	2388151	2388239	+	Exon 4
	n.d.	n.d.		Exon 5
<i>icp.45</i>				
	2393096	2393135	+	Exon 1
	2393326	2393670	+	Exon 2
	2394336	2394638	+	Exon 3
	2394746	2394918	+	Exon 4
<i>icp.46</i>				
	2408136	2408428	–	Exon 5
	2408645	2408935	–	Exon 4
	2411045	2411338	–	Exon 3
	2411857	2412189	–	Exon 2
	2417738	2417786	–	Exon 1
<i>clect.11</i>				Pseudogene
	2438996	2439349	–	Exon 3
	2441890	2442275	–	Exon 2
	2442743	2442779	–	Exon 1
<i>clect.12</i>				Pseudogene
	2445213	2445328	–	Exon 5
	2445470?	2445710	–	Exon 2
	2446125	2446161	–	Exon 1
<i>clect.13</i>				Pseudogene?
	2449565	2449653	–	Exon 4
	2450034	2450357	–	Exon 3
<i>clect.14</i>				
	2453315	2453454	–	Exon 5
	2453670	2454011	–	Exon 4
	2454261	2454611	–	Exon 3
	2455832	2456218	–	Exon 2
	2456676	2456712	–	Exon 1
<i>clect.15</i>				Pseudogene
	2464856	2465073	–	Exon
	2465989	2466372	–	Exon 2

<i>clect.16</i>				
	2469116	2469241	–	Exon 5
	2469436	2469524	–	Exon 4
	2470957	2471307	–	Exon 3
	2477561	2478996	–	Exon 2 (undetermined N residues in the middle)
	2479464	2479497	–	Exon 1
<i>clect.17</i>				
	2490084	2490120	+	Exon 1
	2490491	2490871	+	Exon 2
	2491092	2491445	+	Exon 3
	2491856	2491947	+	Exon 4
	2492178	2492303	+	Exon 5
<i>clect.18</i>				Exon 1
	2510580	2510616	–	Exon 1
<i>clect.18</i>				Exons 2-5
	2515856	2516242	+	Exon 2
	2526383	2526733	+	Exon 3
	2527202	2527290	+	Exon 4
	2527531	2527656	+	Exon 5
<i>clect.19</i>				Pseudogene
	2531452	2531522 ?	+	Exon 3
	2531637	2531762	+	Exon 5
<i>icp.47</i>				
	2533719	2533752	+	Exon 1
	2536241	2536606	+	Exon 2
	2537062	2537115	+	Exon 3
	2538379	2538408	+	Exon 4
	2538816	2538938	+	Exon 5
	2539867	2539901	+	Exon 6
<i>mhc1laa</i>				
	2542373	2542437	–	Exon 7: CY domain
	2542550	2542603	–	Exon 6: CY domain
	2542799	2542918	–	Exon 5: CP, TM, CY domain
	2542998	2543267	–	Exon 4: Alpha3 domain
	2546368	2546634	–	Exon 3: Alpha2 domain
	2546766	2547026	–	Exon 2: Alpha1 domain
	2549833	2549890	–	Exon 1: Leader peptide
<i>mhc1lba</i>				
	n.d.	n.d.		Exon 7: CY domain
	2558258	2558311	–	Exon 6: CY domain
	2558628	2558753	–	Exon 5: CP, TM, CY domain
	2558874	2559143	–	Exon 4: Alpha3 domain
	2560845	2561111	–	Exon 3: Alpha2 domain
	2561249	2561509	–	Exon 2: Alpha1 domain
	2564031	2564088	–	Exon 1: Leader peptide
	2569937	2569994	–	Exon 1: Leader peptide, alternatively spliced
<i>mhc1lca</i>				Pseudogene
	2589409 ?	2589523 ?	+	Exon 2: Alpha1 domain (partial)
	2590174	2590440	+	Exon 3: Alpha2 domain
	2592504	2592800	+	Exon 4: Alpha3 domain
	2592925	2593041	+	Exon 5: CP, TM, CY domain
	2593800	2593853	+	Exon 6: CY domain