

Supplementary Table S3. CNRs in the *IrxB* locus of elephant shark and other vertebrates

Location of coding exons	E. shark CNRs (with human)	Start (bp)	End (bp)	pre-WGD CNRs (McEwen et al)	Comments
<i>Irx3</i> Exon 4		51744	51798		
<i>Irx3</i> Exon 3		52073	52139		
<i>Irx3</i> Exon 2		54445	55570		
<i>Irx3</i> Exon1		56458	56676		
	1	71510	71918	UCR	
	2	72397	72459		
	3	91901	92294	242	
	4	92321	92672		
	5	101042	101356		
	6	112411	112806		
	7	121739	121883		
	8	126047	126253		
	9	135466	135666		
	10	149139	149238		
	11	152685	152925		
	12	161746	161873		
	13	161974	162071		
	14	176906	177407		
	15	180057	180234		
	16	191310	191414		
	17	194044	194553	243	
	18	194595	194760		
<i>Sowah</i> Exon 9		200307	200386		
	19	204588	204770		
	20	211641	211989		
	21	211991	212279		
	22	212553	212826		
	23	219407	219547		
	24	219604	219703		
	25	220532	221456		
	26	224457	224679		
<i>Sowah</i> Exon 8		225510	225582		
	27	228037	228256		
	28	229438	230603	244 & 245	Tested together
	29	230639	230739		
<i>Sowah</i> Exon 7		232828	232914		
	30	234515	235080	246	
	31	235670	235896		
	32	235921	236027		
	33	244009	244413		
	34	245424	245942	247	
	35	246271	246688	248	
	36	247189	247423		
	37	247436	247558		
	38	247796	248115		
	39	249025	249254		
	40	256189	256306		
	41	257382	257791		
	42	264077	264380		
	43	264773	264871		
<i>Sowah</i> Exon 5		266631	266753		
	44	266954	267198		Tested together
	45	267281	267692		
	46	267784	267902		
	47	268891	269054		
	48	270458	270617		
	49	278745	278949		

	50	279027	279130		
	51	289145	289420		
	52	289738	289861		
	53	290378	290572		
	54	290684	290958		
	55	291779	292104		
	56	300157	300564		
	57	303522	303624		
	58	309402	309534		
	59	310162	310517		
	60	310586	310771		
	61	322549	322671		
	62	339083	339196		
	63	339254	339563		
	64	340495	341243		
	65	354670	355218		
Sowah Exon 1		367367	367505		
	66	374100	374191		
Irx5 Exon 1		374457	374693		
Irx5 Exon 2		375294	375699		
Irx5 Exon 3		376329	377239		
	67	377537	377731		
	68	378096	378214		
	69	389106	389322		
	70	390474	390658	249	
	71	415492	415875		
	72	473644	473756		
	73	499164	499266		
	74	548308	548642		
	75	548745	549411	UCR	
	76	549558	549755		
	77	550171	550363		
	78	555717	556124		
	79	567456	567563		
	80	572600	572754		
	81	573069	573224		
Irx6 Exon 1		600990	601055		
Irx6 Exon 2		602117	602377		
Irx6 Exon 3		602564	602673		
Irx6 Exon 4		602930	603231		
Irx6 Exon 5		603721	604308		
Irx6 Exon 6		604916	605028		

KEY

	Irx or Sowah coding exon
	Sowah CNR
	Sowah CNR whose orthologs (in IrxB) and/or paralogs (in IrxA) act as enhancers in zebrafish and/or frogs