

<i>Geospiza difficilis</i>	035				1				1
					v				
<i>Geospiza scandens</i>	009		1	1					2
			b	b					
<i>Geospiza scandens</i>	010	1	1	3	1		1		1
		x	b	b,v	b				b,x
<i>Geospiza scandens</i>	027				2				2
					b,w				
<i>Geospiza scandens</i>	036	2	7						9
		a,v	a,v						
<i>Geospiza scandens</i>	037	6			2		1		9
		a,v		a			e		
<i>Geospiza scandens</i>	038		4						4
			a						
<i>Geospiza scandens</i>	039		1	1					2
			a	a					
<i>Geospiza scandens</i>	040	1		1					2
		a		a					
<i>Geospiza scandens</i>	041	1			1				2
		a			a				
<i>Geospiza scandens</i>	042		5	2					7
			a	a					
<i>Geospiza scandens</i>	043	1	1	2	1				5
		a	a	a	a				
<i>Geospiza scandens</i>	044	1	1	1					3
		a	a	a					
<i>Geospiza conirostris</i>	012				1		3		4
					b		b,y		
<i>Geospiza conirostris</i>	019	2			1		1		4
		b			b		b		
<i>Geospiza conirostris</i>	045						1		1
							t		
<i>Camarhynchus parvulus</i>	046	1							1
		v							
<i>Camarhynchus parvulus</i>	047	1			1				2
		v			v				
<i>Camarhynchus parvulus</i>	048	1					1		1
		b					d		c
<i>Camarhynchus parvulus</i>	049	1			1		1		3
		d			d		c		
<i>Camarhynchus pauper</i>	050				3		1		4

				b,v		t		
<i>Camarhynchus pauper</i>	051	1	2	3				6
		b	b,v	b,v				
<i>Camarhynchus pauper</i>	052		1			1		2
			e			e		
<i>Camarhynchus psittacula</i>	053	1	1	1	1			4
		v	v	e	e			
<i>Camarhynchus psittacula</i>	054			1				1
				b				
<i>Camarhynchus psittacula</i>	055	1		1				2
		b		b				
<i>Cactospiza pallida</i>	004		2	1				3
			b,v	b				
<i>Cactospiza pallida</i>	056	1		1		1	1	4
		v		v		v	e	
<i>Cactospiza pallida</i>	057		1	1		1	2	5
			e	v		v	e,z	
<i>Pinaroloxias inornata</i>	058		4	2	3	3		12
			a,v	a	v	z		
<i>Pinaroloxias inornata</i>	059		2		1	1		4
			a,v		a	z		
<i>Pinaroloxias inornata</i>	060		1	1	1			3
			a	a	a			
<i>Pinaroloxias inornata</i>	061		1	1				2
			a	a				
<i>Pinaroloxias inornata</i>	062		2					2
			v					
<i>Platyspiza crassirostris</i>	013		1		4	3		8
			b		b,e,v	e,t		
<i>Platyspiza crassirostris</i>	014	3			1		1	5
		b,u			u		b	
<i>Platyspiza crassirostris</i>	063				1			1
					v			
<i>Certhidea olivacea</i>	006	2		6	3			11
		b,u		b,v,z	b,z			
<i>Certhidea olivacea</i>	064			2		1		3
				b,v		b,t,z		
<i>Certhidea olivacea</i>	065				1			1
					v			
<i>Tiaris obscura</i>	071			1		1	2	2
				a,b		e	b,e	a

<i>Tiaris obscura</i>	072	1	2	1	2	6
		u	e	b	b,e	
<i>Tiaris obscura</i>	073	3	2	2		7
		a,b,u	e	b,v		
<i>Tiaris obscura</i>	074		2	5	1	10
			a,b	a,b,e,v	e	b,u
<i>Tiaris obscura</i>	075		2	2	2	8
			a,b	b,v	b,e	u,v
<i>Tiaris obscura</i>	076		2	3	2	7
			b,e	a,b,e,v	a,b	
<i>Tiaris bicolor</i>	077	1 6	1	5		14
		u b	b	b,v		b
<i>Tiaris bicolor</i>	078	2	2			4
		v	e			
<i>Tiaris bicolor</i>	080	4				5
		e,v				v
<i>Tiaris bicolor</i>	081		2	1		3
			t	v		
<i>Tiaris canora</i>	082		2	2		4
			e	v		
<i>Tiaris canora</i>	083		3	1		4
			t,z	v		
<i>Tiaris canora</i>	084			1		1
				v		
<i>Tiaris canora</i>	085			1		1
				v		
<i>Tiaris canora</i>	086					1
						b
<i>Melanospiza richardsoni</i>	087		4			4
			e			
<i>Melanospiza richardsoni</i>	088		2	2		4
			e	v		
<i>Melanospiza richardsoni</i>	089		2	2		4
			e	v		
<i>Melanospiza richardsoni</i>	090			1		1
				v		
<i>Melanospiza richardsoni</i>	091			1		1
				v		
<i>Melanospiza richardsoni</i>	092			1		1
				v		
<i>Melanospiza richardsoni</i>	093		3	1		4

			t	v		
<i>Loxigilla noctis</i>	094		1	1	1	3
			e	v	e	
<i>Loxigilla noctis</i>	095		2			2
			t			
<i>Coereba flaveola</i>	096	2			1	3
		e			e	
<i>Volatinia jacarina</i>	101		2		1	3
			b		b	
<i>Volatinia jacarina</i>	102		2			2
			b			
<i>Volatinia jacarina</i>	103				1	1
					b	
<i>Volatinia jacarina</i>	104		1			1
			b			
<i>Volatinia jacarina</i>	105		4			4
			b			
<i>Volatinia jacarina</i>	106	1			1	2
		b			b	
<i>Volatinia jacarina</i>	107		3			3
			b			
<i>Volatinia jacarina</i>	108		1		3	4
			b		b	
<i>Volatinia jacarina</i>	109		1		1	2
			b		b	
<i>Volatinia jacarina</i>	110		1			1
			b			
<i>Volatinia jacarina</i>	111		2			2
			b			
<i>Volatinia jacarina</i>	112		1		1	2
			b		b	
<i>Volatinia jacarina</i>	113		1			1
			b			
<i>Volatinia jacarina</i>	114		3		1 1	5
			b		b b	
<i>Volatinia jacarina</i>	115		2		1	3
			b		b	
<i>Volatinia jacarina</i>	116		2			2
			b			
<i>Poospiza hispaniolensis</i>	117		1			1
			t			



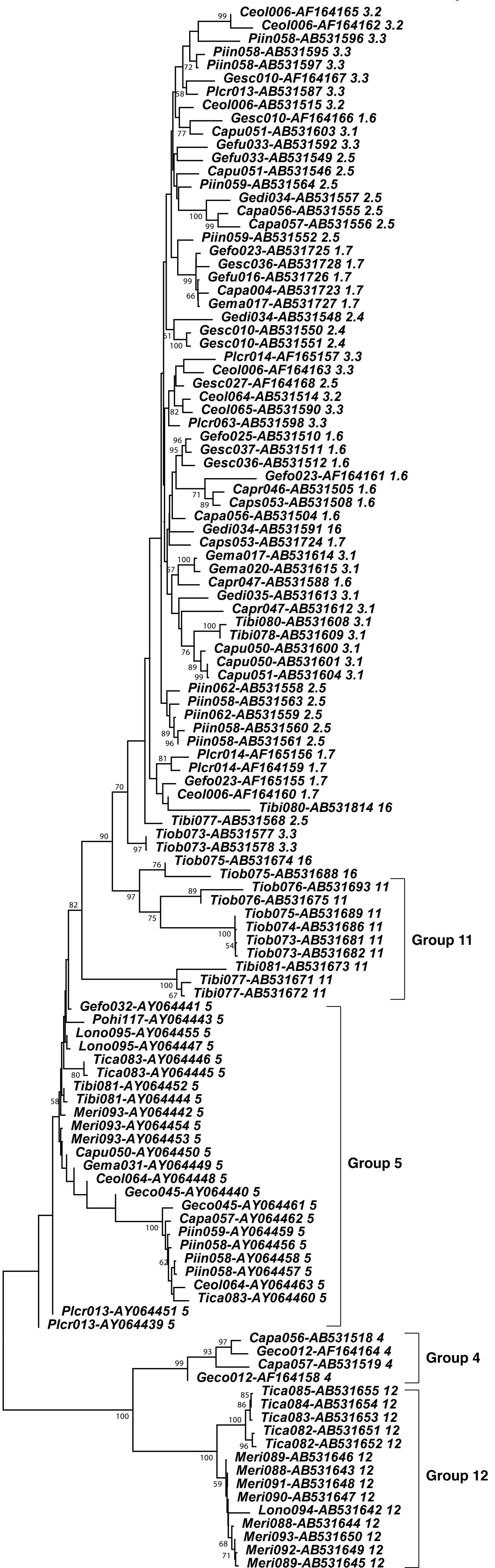
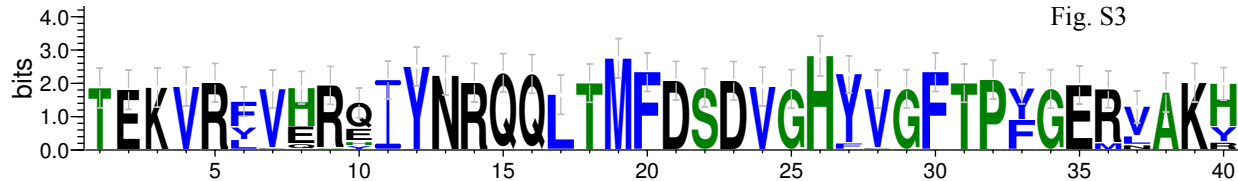
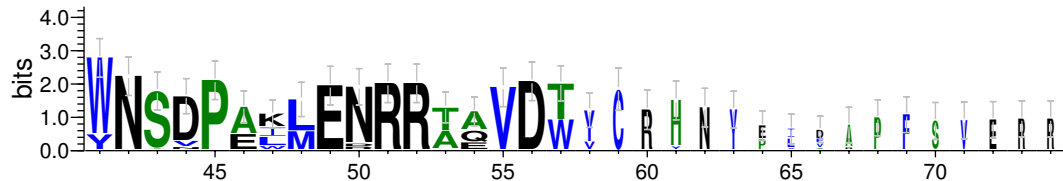


Fig. S3



Group3-1



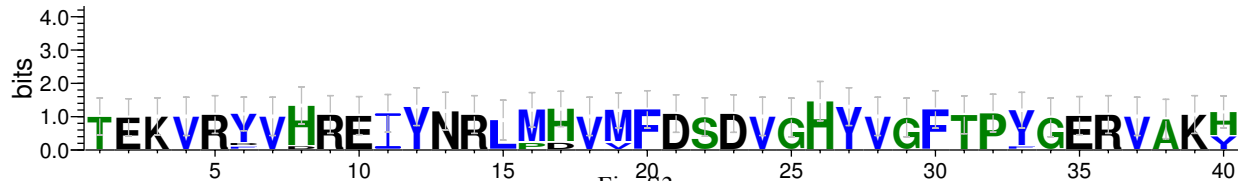
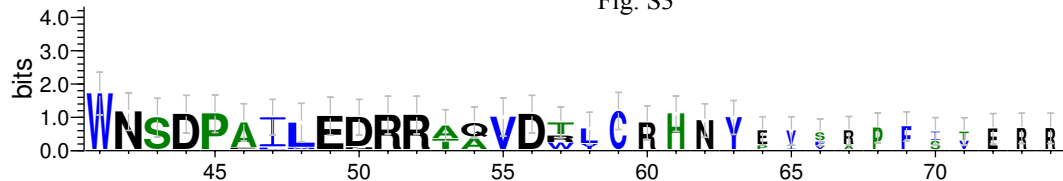
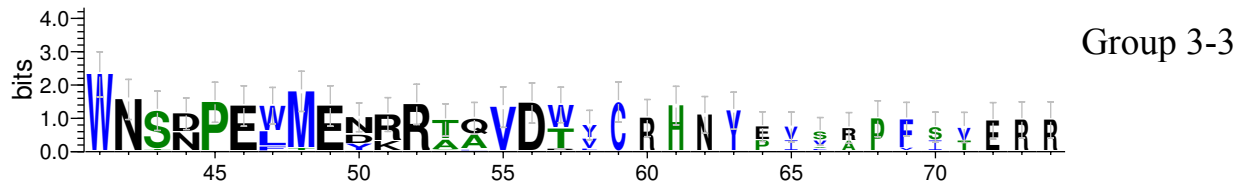
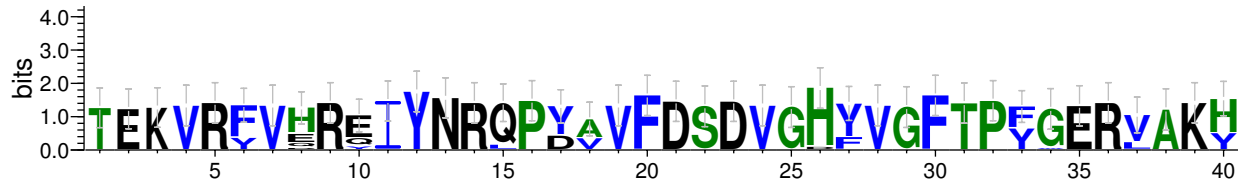


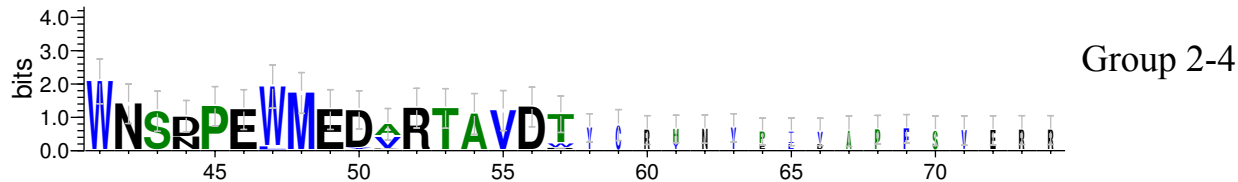
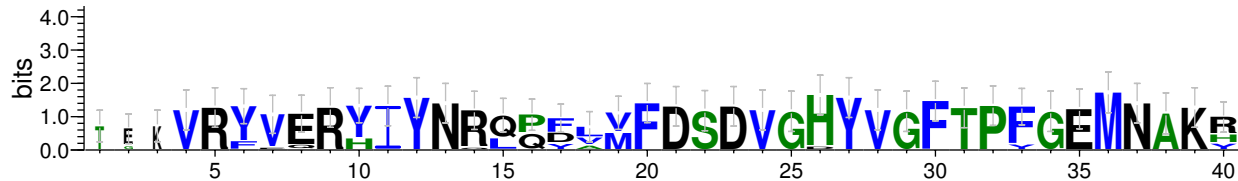
Fig. S3



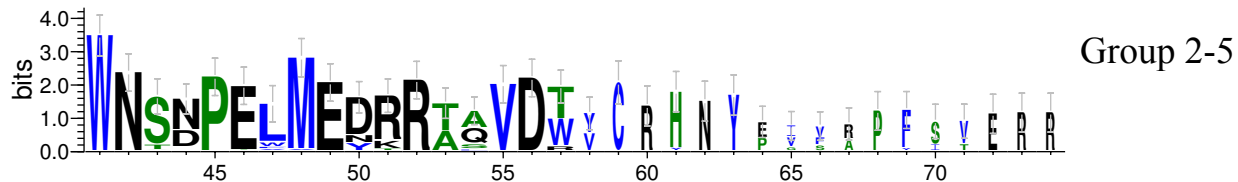
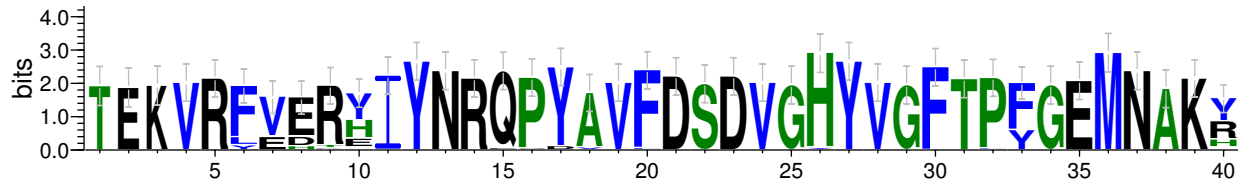
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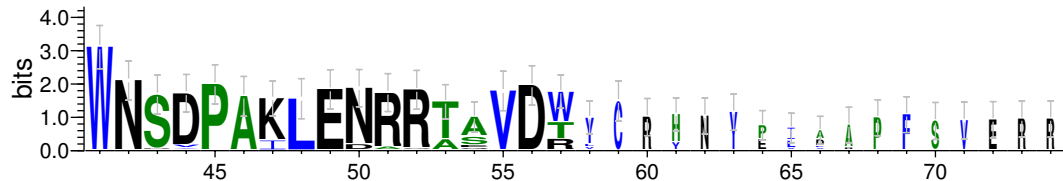
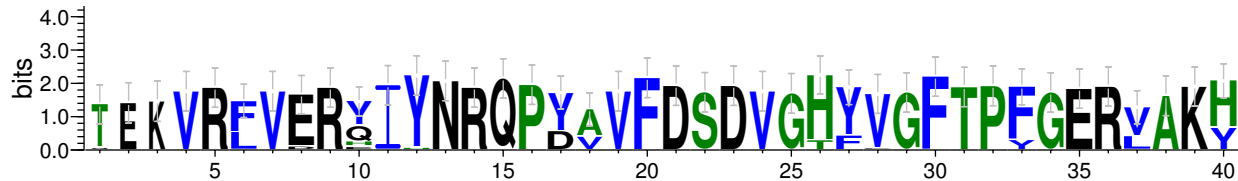


Group 3-3

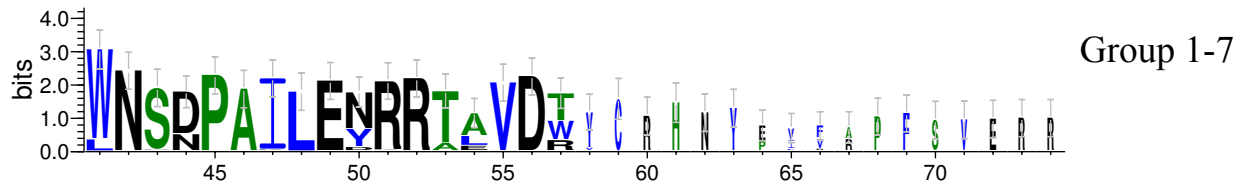
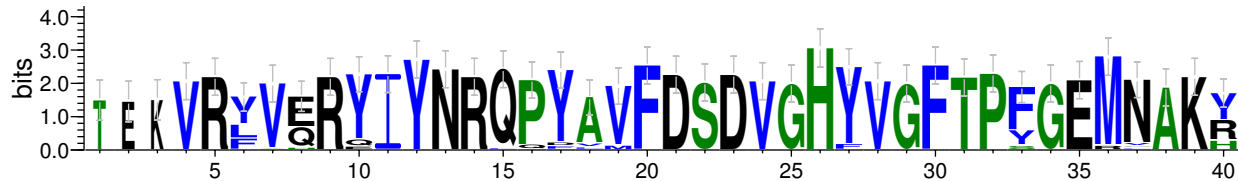


Group 2-4

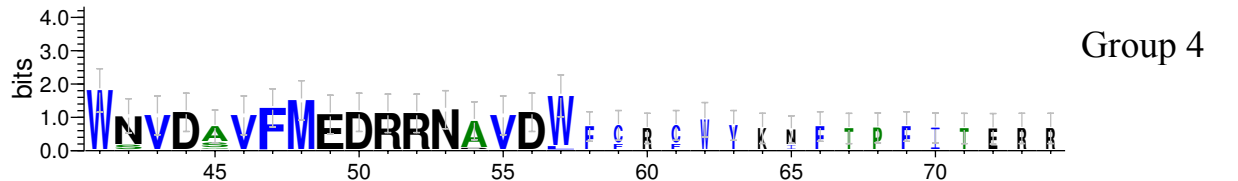
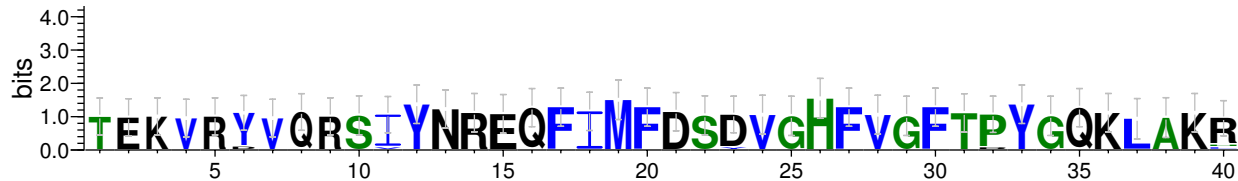




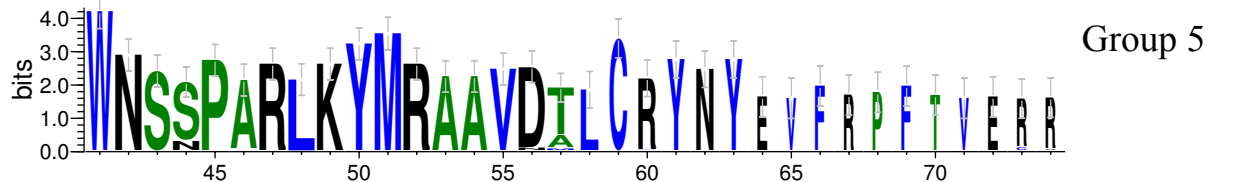
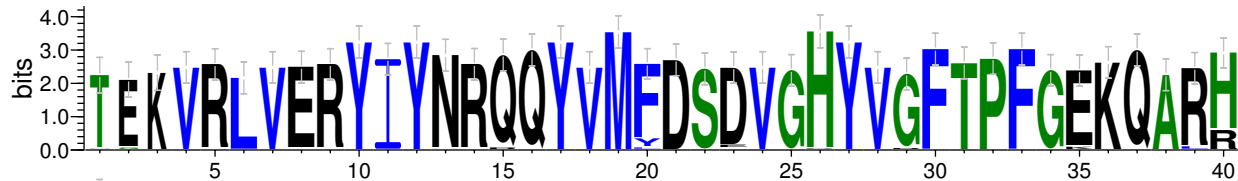
Group 1-6

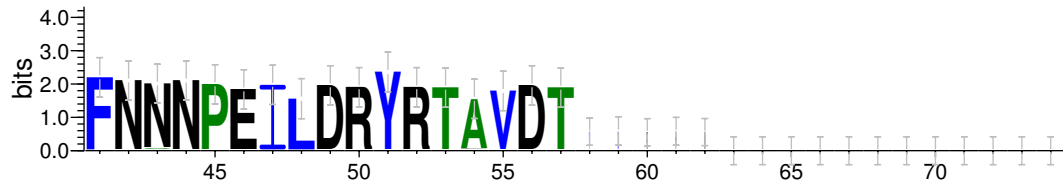
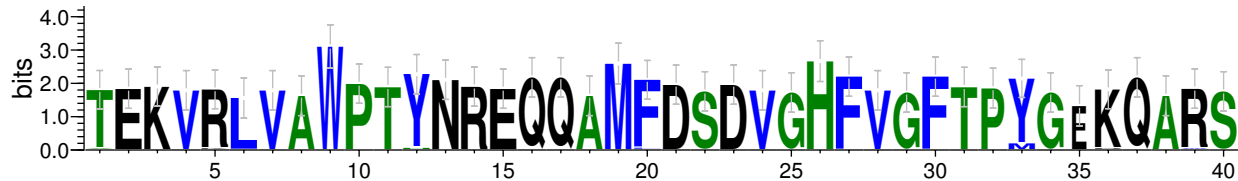


Group 1-7

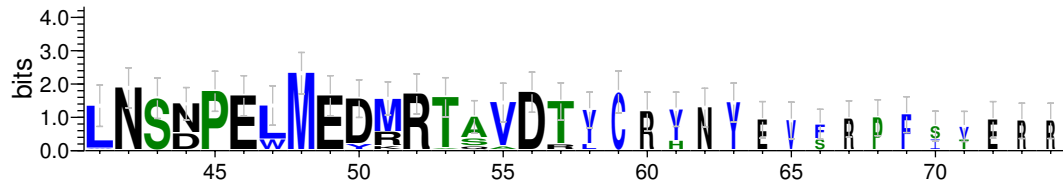
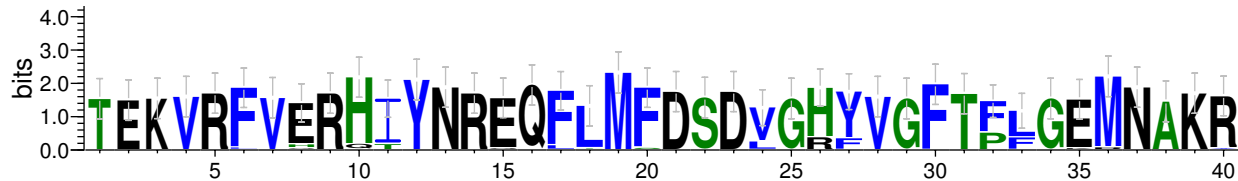


Group 4

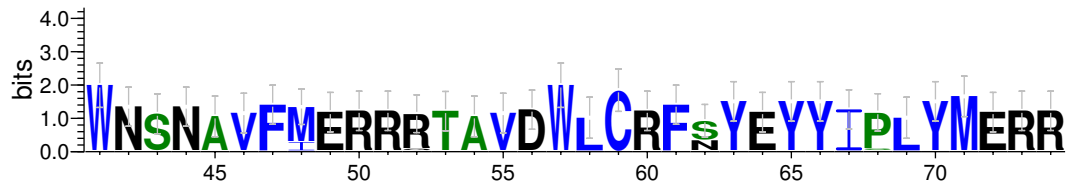
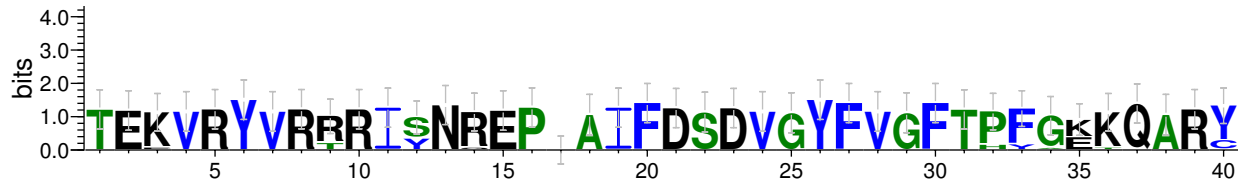




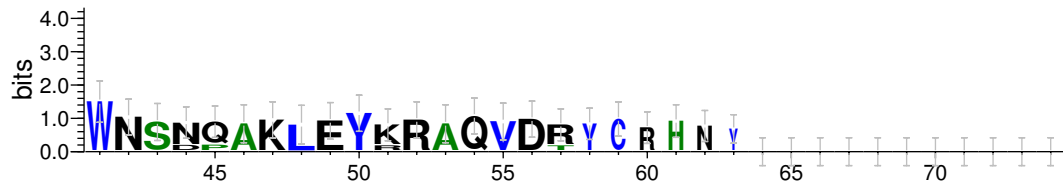
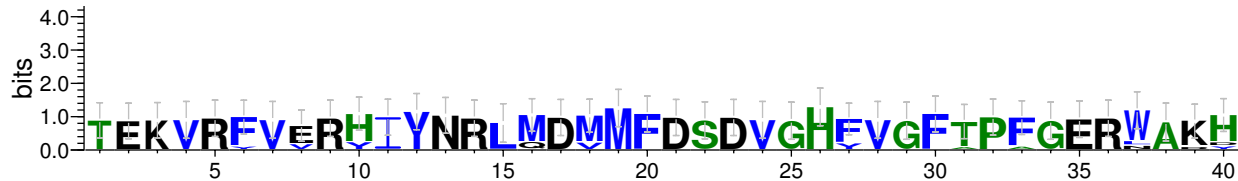
Group 10



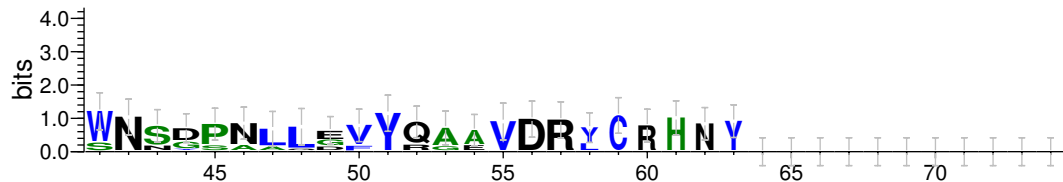
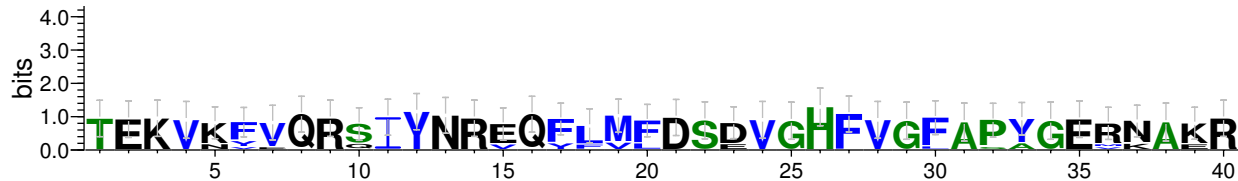
Group 11



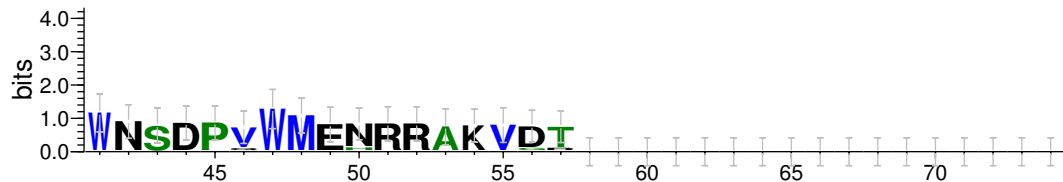
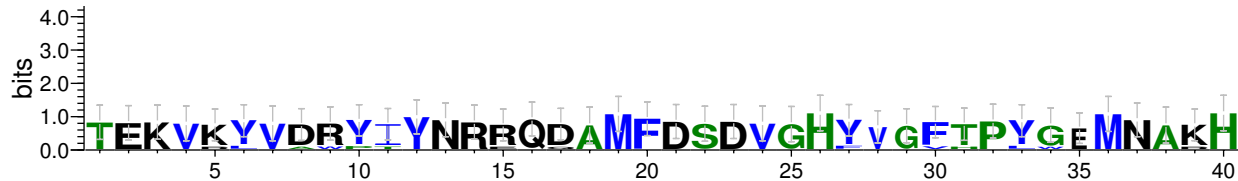
Group 12



Group 13

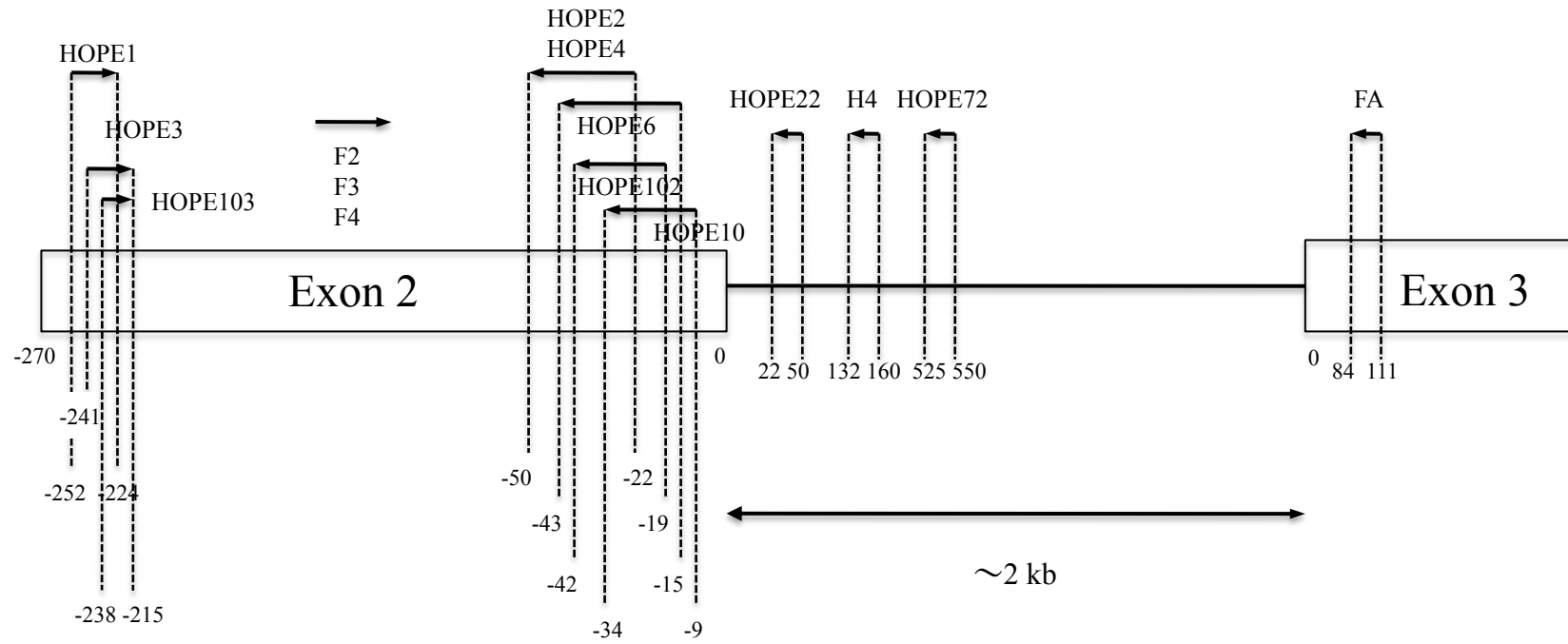


Group 14



Group 15

Fig.S4



Primer sets used to amplify parts of exon 2

a	HOPE3-HOPE2	164 bp
b	HOPE1-HOPE2	173 bp
c	HOPE1-HOPE4	173 bp
d	HOPE1-HOPE6	180 bp
e	HOPE1-HOPE10	189 bp
f	HOPE103-HOPE102	172 bp

Primer sets used to amplify parts of exon 2 and parts or whole intron 2

t	HOPE1-HOPE22	292-311 bp
u	HOPE 3-H4	371-431 bp
v	HOPE1-HOPE72	575-761bp
w	F2-FA	1800 bp
x	F3-FA	1830-1916 bp
y	F4-FA	401-973 bp
z	HOPE1-FA	387-2163 bp

The primer position is specified from the border between exon 2 and intron 2 in either the 5' (negative value) or 3' (positive numbers) direction (E, exon; I, intron; S, sense; AS, antisense)

Name	Specificity	Position	Sequence	Orientation	Annealing temperature (°C)
	Class II	E/I border as 0			
HOPE1	E2	-252 to -224	5'-GAAAGCTCGAGTGTCACTTCACGAACGGC-3'	S	58
HOPE3	E2	-241 to -215	5'-TGTCACTTCACGAACGGCACGGAGAAG-3'	S	58
HOPE103	E2	-238 to -215	5'-CACTTCACGAACGGCACGGAGAAG-3	S	58
HOPE2	E2	-50 to -22	5'-GGGTGACAATCCGGTAGTTGTGCCGGCAG-3'	AS	58
HOPE4	E2	-50 to -22	5'-GGCGGAACACCTCGTAGTTGTGCCGGCAG-3'	AS	58
HOPE6	E2	-43 to -15	5'-CTGAACGGGCGGAACACCTCGTAGTTGTG-3'	AS	58
HOPE102	E2	-42 to -19	5'-ACGGGCGGAACACCTCGTAGTTGT-3'	AS	58
HOPE10	E2	-34 to -9	5'-TCCACGCTGAACGGGCGGAACACCTC-3'	AS	58
HOPE22	I2	88 to 115	5'-GAATGGACTCGGAGGGTCAGGGAATATA-3'	AS	58
H4	I2	132 to 160	5'-GTTTGGATTGGGAATGGTTTGGGACGAAC-3'	AS	58
HOPE72	I2	525 to 550	5'-GAGTGGGTGTAGGTTTGAGAGTGAAC-3'	AS	58
FA	E3	84 to 111	5'-ACCTCACCTGGATCGGGGCAGGGTAGAA-3'	AS	58