

1. SEARCH FOR EVF-1 IN DLX6 AND DLX5 CLUSTER; SUMMARY OF FOOTPRINT CLUSTERS

Footprint	HsDlx	CeDlx	CfDlx	DrDlx	MmDlx	PtDlx	RnDlx	TnDlx
6 467 Hammerhead_1	1708 179 2.86 bits		3044 182		328 83	1377 180 2.86 bits	907 38	
7 2398	2004 41				476 66	1653 66		
8 2401 SECIS IRE REN-SRE	2056 217 3.29 bits 5.75 bits 2.96				544 215	1730 212 4.37 bits 5.75 bits		
9 2404	2300 23				785 22	1969 23		
10 1467 Histone3	2341 121 3.00 bits		3239 87		817 61	2041 119 3.00 bits		
11 1477 IRE REN-SRE	2474 597 4.79 bits 2.84 bits 3.20 bits		3347 309		902 260 3.26 bits	2172 602 4.79 bits 2.84 bits 3.79 bits		
15 1483	3080 135		3677 138		1189 118	2783 118		
16 1486 IRE	3215 120 3.66 bits		3819 81		1353 37	2919 79		
17 1496 SECIS U36 IRE	3339 613 3.87 bits 7.88 bits		3937 617		1396 596 3.73 bits	3039 616 3.87 bits 7.88 bits		
18 1497 IRE	3908 309		4760 273 4.48 bits		1947 255	3607 313		
19 1500	4218 58		5043 58			3921 58		
20 1503	4288 342		5111 338		2257 252	3991 342		
21 1536 IRE Hammerhead_1	4639 633 3.91 bits 4.67 bits		5466 638 3.91 bits 4.70 bits 4.21 bits		2527 609 6.99 bits	4340 640 3.91 bits 4.67 bits		
31 1548 Histone3 IRE	5330 278 2.96 bits		6114 277 3.19 bits 4.14 bits		3145 274 2.62 bits	5033 278 2.96 bits		
32 2407	5622 15				3434 15	5325 15		
33 374 Intron_gpII	5673 442 3.15 bits		6456 353		3456 150	5378 440	5453 167	
40 2071 SECIS Histone3 IRE	6121 637 6.58 bits		6822 636 8.44 bits		4411 504 6.91 bits 5.60 3.47 bits	5824 637 4.28 bits 6.58	5717 491 2.76 bits 3.35	
46 2076	7610 35		7461 33			7313 35		
47 2079	7670 76		7506 76			7373 76		
48 2082	7771 179		7795 165		6717 94	7474 179	7020 159	
49 2085 SECIS IRE	7988 216		8039 188 5.35 bits 4.97 bits 4.78 bits		6852 141	7691 216	7226 154	
50 2088	8219 29		8229 29			7922 29		

Footprint	HsDlx	CeDlx	CfDlx	DrDlx	MmDlx	PtDlx	RnDlx	TnDlx
51 2091	8260 31		8270 33			7963 31		
52 2094	8297 31		8313 30			8000 22		
53 2101 IRE	8344 354 7.06		8429 334 4.27		7186 242 3.16	8047 354 2.88	7578 248	
55 2105	8779 24		8840 24			8482 24		
56 2108	8814 30		8870 28			8517 30		
57 2142	8849 44		9189 45			8552 44		
58 2144	8871 40		8929 42			8574 40		
59 2141 REN-SRE	8905 285		9246 291 6.16 bits		7929 124	8608 288	8263 215 3.35 bits	
61 2147 IRE	9197 138		9544 125 4.73 bits			8903 138	8492 12	
62 2150	9374 185		9694 155		8208 177	9084 181	8643 161	
63 2153 Intron_gpII SECIS Histone3 IRE Hammerhead_1 s2m REN-SRE	9566 763 5.93 bits 3.93 bits 6.76 bits 2.94 bits 6.03 bits		9940 690 11.79 bits 6.76 bits 6.13 bits		8397 807 3.44 bits 3.59 bits 2.92 bits 5.37 bits 2.88 bits	9272 800 6.57 bits 5.93 bits 3.93 bits 6.76 bits 2.94 bits 6.03 bits	8879 768 8.00 bits 2.92 bits	
64 2495	10462 43						9761 47	
65 2156	10677 13		11019 13			10384 13		
66 1452	10730 275		11541 275		10789 221	10437 273	10528 197	
67 1455 SECIS Histone3 IRE	11008 346 2.94 bits 3.64 bits	bits	11833 336 3.40 bits	bits	11029 228 5.71 4.86	10713 346 bits 2.94 bits 3.64 bits	10793 231 bits bits	
68 2159 IRE	11674 215 4.27 bits		12196 218		12038 39	11374 218 4.27 bits		
69 2165 tRNA IRE	11910 177 4.50 bits 3.25 bits		12423 997 20.99 bits		12086 162 10.11 bits 3.78 bits	11610 258 3.25 bits 4.50 bits		
70 2166	12026 61		13262 158		12187 61	11716 152		
71 2410	12238 24				12623 23			
72 2415 SECIS Histone3 Hammerhead_1 IRE	12284 929 10.02 bits 3.53 bits 2.92 2.84 bits 4.43 bits 11.34 bits		13543 1171 7.30 bits 6.18 bits 2.93 bits 3.24 bits 2.84 bits 4.69 bits 6.38 bits 9.12 bits		12654 926 7.75 bits 5.79 bits 6.16 bits 2.84 bits 4.51 bits 4.70 bits 3.69 bits 11.34 bits	12042 939 10.02 bits 3.53 bits 2.92 bits 9.87 bits 4.43 bits 3.74 bits		
74 2419 Hammerhead_1	13290 38		14730 129		13584 93	12991 130 7.14 bits		
75 2422 SECIS REN-SRE	13393 231 4.21 bits		14892 239		13706 229	13150 240 5.88 bits 6.31 bits		

Footprint	HsDlx	CeDlx	CfDlx	DrDlx	MmDlx	PtDlx	RnDlx	TnDlx
76 2425 IRE	13642 128		15137 113 7.38 bits		13952 127	13396 131		
77 2428 U36	13800 46		15271 93 3.08 bits		14112 44	13532 93		
78 2431 Histone3 IRE	13900 274 3.06 bits 2.91 bits		15395 264 3.28 bits 8.17		14170 257	13660 301 3.06 bits		
79 2434	14214 35				14439 36	13974 35		
80 2437	14258 12				14484 12	14018 12		
81 2440	14279 39				14505 40	14039 39		
82 2443	14328 184				14559 187	14088 184		
83 2446	14600 45				14823 39	14360 45		
84 2449	14813 32		15977 107		15035 33	14564 109		
85 2452 SECIS	14982 157		16090 215 8.66 bits		15165 124	14695 210		
86 429 tRNA SECIS Histone3 IRE s2m	15521 1008 7.69 bits 3.78 bits 3.61 bits		16421 1645 7.23 bits 3.14 bits 5.05 bits 5.07 bits 3.02 bits 3.22 bits		15514 1014 5.65 bits	15282 965 3.78 bits 3.61 bits	16115 324 4.60 bits	
91 2455	16937 39				16850 38			
92 2458	16990 12				16901 11			
93 2461 REN-SRE Histone3	17089 186 4.66 bits				16979 183 5.74 bits			
94 470 IRE	17844 267		19172 211 3.01 bits		19204 202	17555 267	18850 214	
95 454	26162 202				27052 190	25907 193	26586 165	

Footprint	HsDlx	CeDlx	CfDlx	DrDlx	MmDlx	PtDlx	RnDlx	TnDlx
96 455	26213 151				27059 181	25907 193	26586 165	
97 309 Histone3	27526 360		27864 355	38509 307	28084 364	27456 357	27545 357	38113 257 6.71 bits
133 2498	35887 22					35747 19	35420 21	
134 2501	35973 35		36033 13			35830 35	35484 42	
135 2504 Intron_gpII IRE Hammerhead_1 REN-SRE	36067 428 5.66 bits 4.24 bits		36136 454 4.62 bits 4.66 bits 3.29 bits			35924 428 5.65 bits 4.24 bits	35571 449 3.44 bits	
136 2507	36547 32					36374 57	36039 61	
137 2510	36644 13					36493 13	36165 13	
138 2513	36716 70					36565 69	36219 70	
139 2516	38495 64						38511 61	
140 2519	38644 103						38614 100	
141 2522	38819 36						38769 36	
142 2525	38887 193		39087 173				38808 161	
143 2528 IRE	39101 214		39289 199				38976 213 3.10 bits	
144 2531	39327 49						39195 50	
145 2534	39434 66		39626 70				39272 73	
146 2537 IRE	39543 190 8.32 bits		39742 170				39380 189	
147 2540	39825 68		40023 27				39661 68	
148 2543	39917 18						39736 18	
149 445 Intron_gpII Histone3 IRE	39963 792 8.03 bits 10.06 bits 12.1 bits		40133 788 5.90 bits 10.06 bits 12.1 bits	40744 597 5.31 bits 9.04 bits	39887 603 10.06 bits 12.19 bits	39943 602 10.06 bits 12.19 bits	39773 803 10.06 bits 12.19 bits	40273 366 3.57 bits

* IRE = Iron response element

_ Hammerhead_1 = Hammerhead ribozyme (type I)

/ SECIS = Selenocysteine insertion sequence

~ REN-SRE = Renin stability regulatory element (REN-SRE)

. Histone3 = Histone 3' UTR stem-loop

> U36 = U36/R47/Z100 small nucleolar RNA

— Intron_gpII = Group II catalytic intron

, s2m = Coronavirus 3' stem-loop II-like motif (s2m)

- tRNA = tRNA

REFERENCES