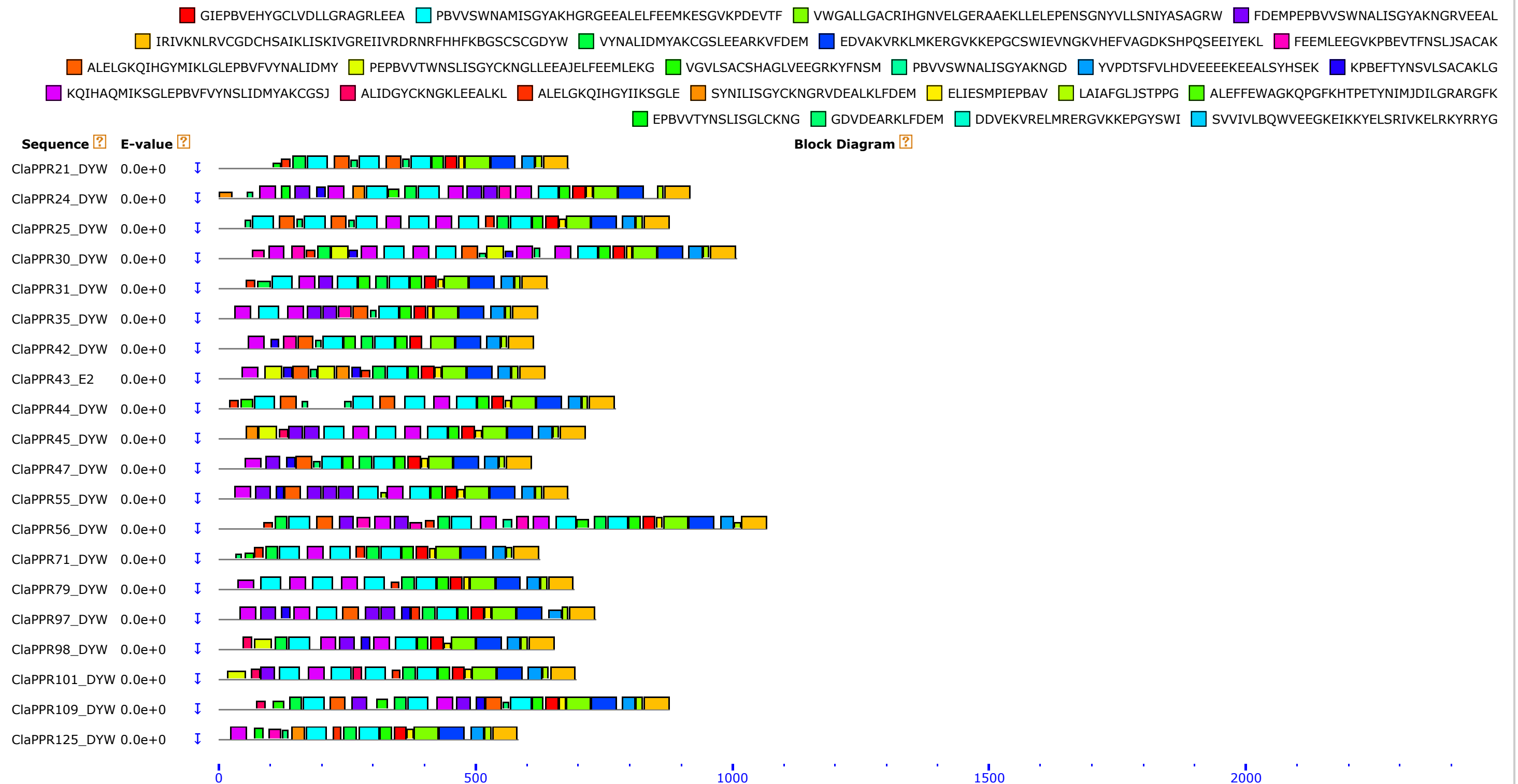


**Figure S1. The Conserved motifs in ClaPPR proteins by using MEME Suite.**



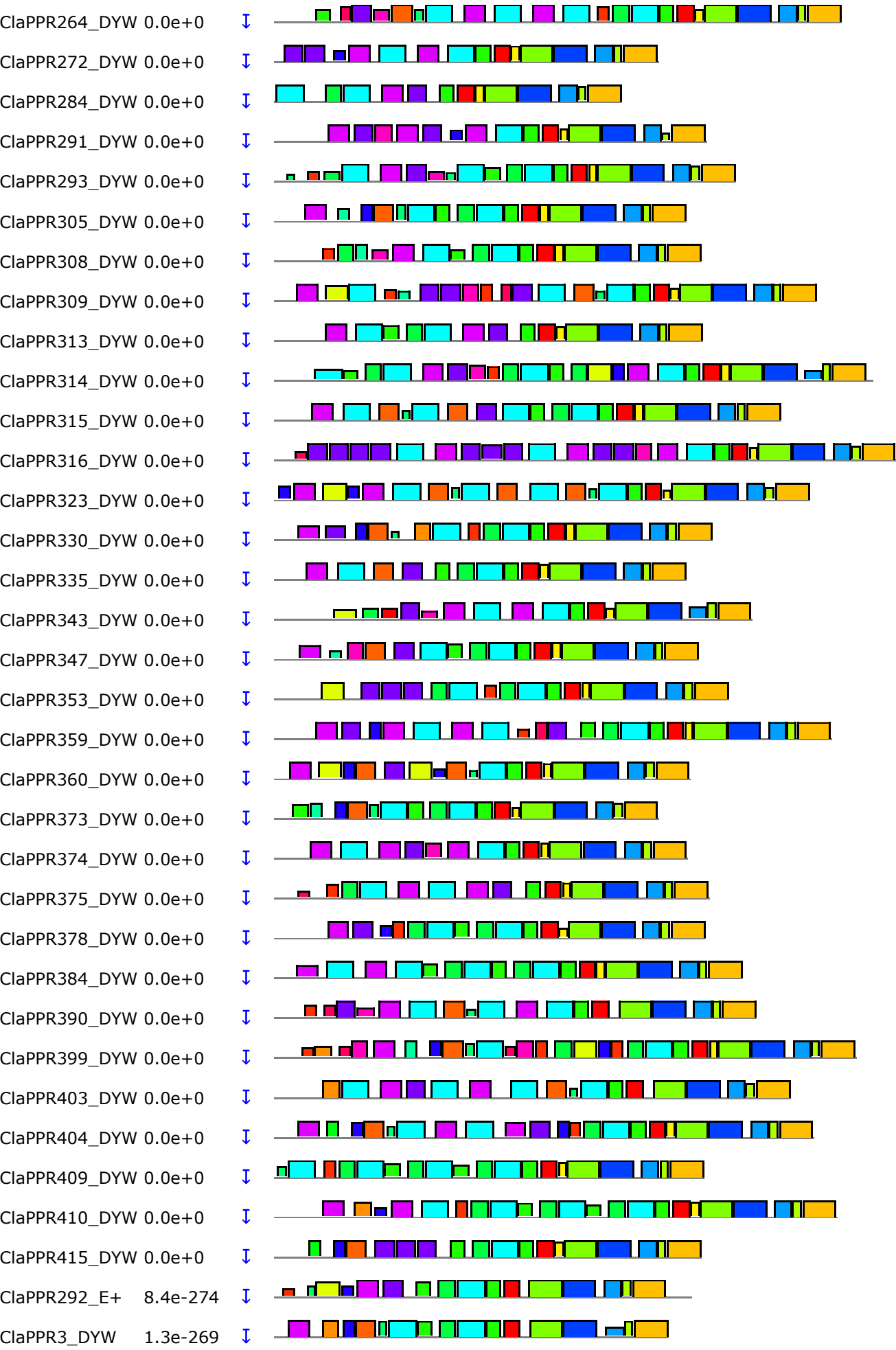
Sequence  E-value 

Block Diagram 



Sequence  E-value 



































Block Diagram 



0 500 1000 1500 2000

Sequence  E-value 

Block Diagram 

ClaPPR302_DYW	1.3e-267	↓	
ClaPPR278_DYW	6.2e-267	↓	
ClaPPR248_DYW	1.7e-261	↓	
ClaPPR207_DYW	8.6e-260	↓	
ClaPPR388_E+	1.5e-259	↓	
ClaPPR369_E+	8.6e-257	↓	
ClaPPR124_E2	2.1e-256	↓	
ClaPPR230_E2	2.5e-256	↓	
ClaPPR219_DYW	5.9e-256	↓	
ClaPPR372_E2	1.2e-255	↓	
ClaPPR159_E2	1.6e-254	↓	
ClaPPR321_E2	9.3e-254	↓	
ClaPPR227_E2	2.9e-253	↓	
ClaPPR149_DYW	3.3e-253	↓	
ClaPPR307_E+	1.1e-251	↓	
ClaPPR140_E2	5.4e-250	↓	
ClaPPR62_E+	3.2e-248	↓	
ClaPPR23_E+	4.4e-247	↓	
ClaPPR95_E2	9.2e-244	↓	
ClaPPR282_E2	1.6e-243	↓	
ClaPPR126_E2	4.8e-242	↓	
ClaPPR177_E2	5.4e-242	↓	
ClaPPR407_E2	2.2e-240	↓	
ClaPPR381_E2	8.2e-240	↓	
ClaPPR310_DYW	3.0e-239	↓	
ClaPPR419_E2	3.6e-239	↓	
ClaPPR337_E2	4.9e-239	↓	
ClaPPR398_E+	1.2e-238	↓	
ClaPPR161_E2	3.7e-236	↓	
ClaPPR181_DYW	5.3e-236	↓	
ClaPPR86_E+	1.2e-235	↓	
ClaPPR251_E2	3.9e-235	↓	
ClaPPR383_E2	3.0e-234	↓	
ClaPPR166_E2	9.2e-234	↓	

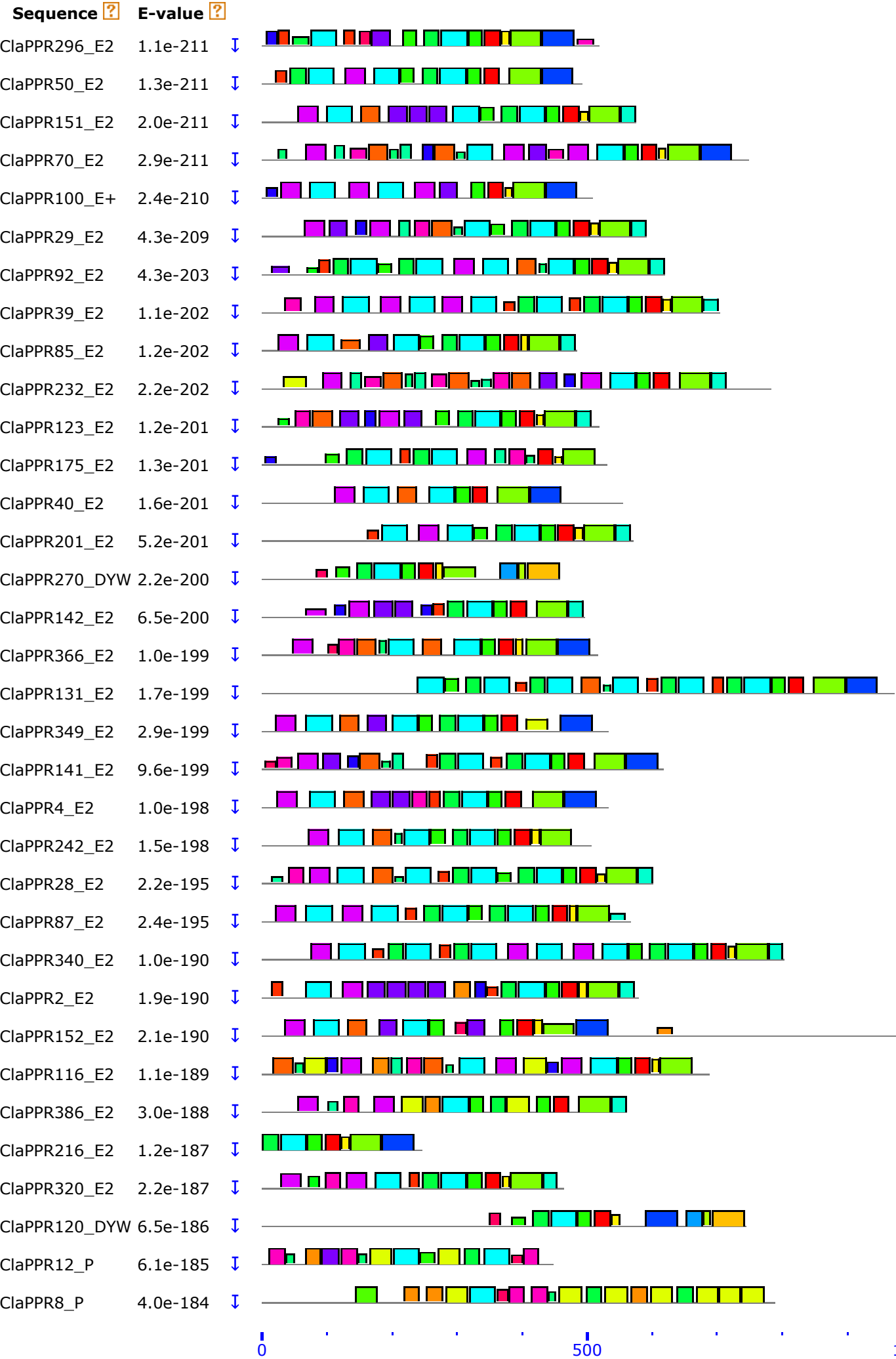


Block Diagram ?

Sequence ?	E-value ?	
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ClaPPR96_E2	3.0e-233	↓
ClaPPR178_E2	3.2e-233	↓
ClaPPR94_E2	8.2e-233	↓
ClaPPR167_DYW	1.1e-232	↓
ClaPPR274_E2	1.8e-232	↓
ClaPPR171_E2	3.7e-232	↓
ClaPPR286_E2	5.4e-232	↓
ClaPPR147_E2	2.8e-231	↓
ClaPPR262_E2	8.1e-231	↓
ClaPPR60_E2	8.5e-229	↓
ClaPPR229_E2	3.8e-228	↓
ClaPPR281_E2	3.8e-227	↓
ClaPPR108_E2	4.2e-227	↓
ClaPPR77_E+	3.4e-226	↓
ClaPPR269_E2	6.2e-226	↓
ClaPPR271_E2	1.9e-225	↓
ClaPPR115_E2	3.0e-225	↓
ClaPPR249_E2	7.2e-225	↓
ClaPPR133_E2	1.2e-223	↓
ClaPPR1_E2	1.8e-223	↓
ClaPPR52_E2	2.6e-223	↓
ClaPPR88_E2	2.5e-222	↓
ClaPPR362_DYW	1.3e-220	↓
ClaPPR365_E2	2.7e-220	↓
ClaPPR306_E2	6.4e-219	↓
ClaPPR351_E2	8.1e-219	↓
ClaPPR74_E2	3.4e-217	↓
ClaPPR379_E2	5.1e-217	↓
ClaPPR342_E2	1.3e-216	↓
ClaPPR128_E2	3.6e-216	↓
ClaPPR389_E2	1.6e-215	↓
ClaPPR59_E2	7.6e-215	↓
ClaPPR220_E2	2.3e-214	↓




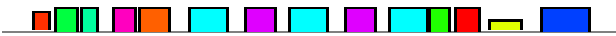




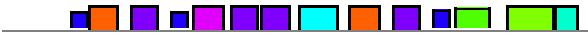


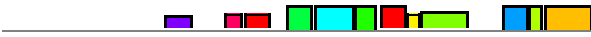
























Block Diagram ?



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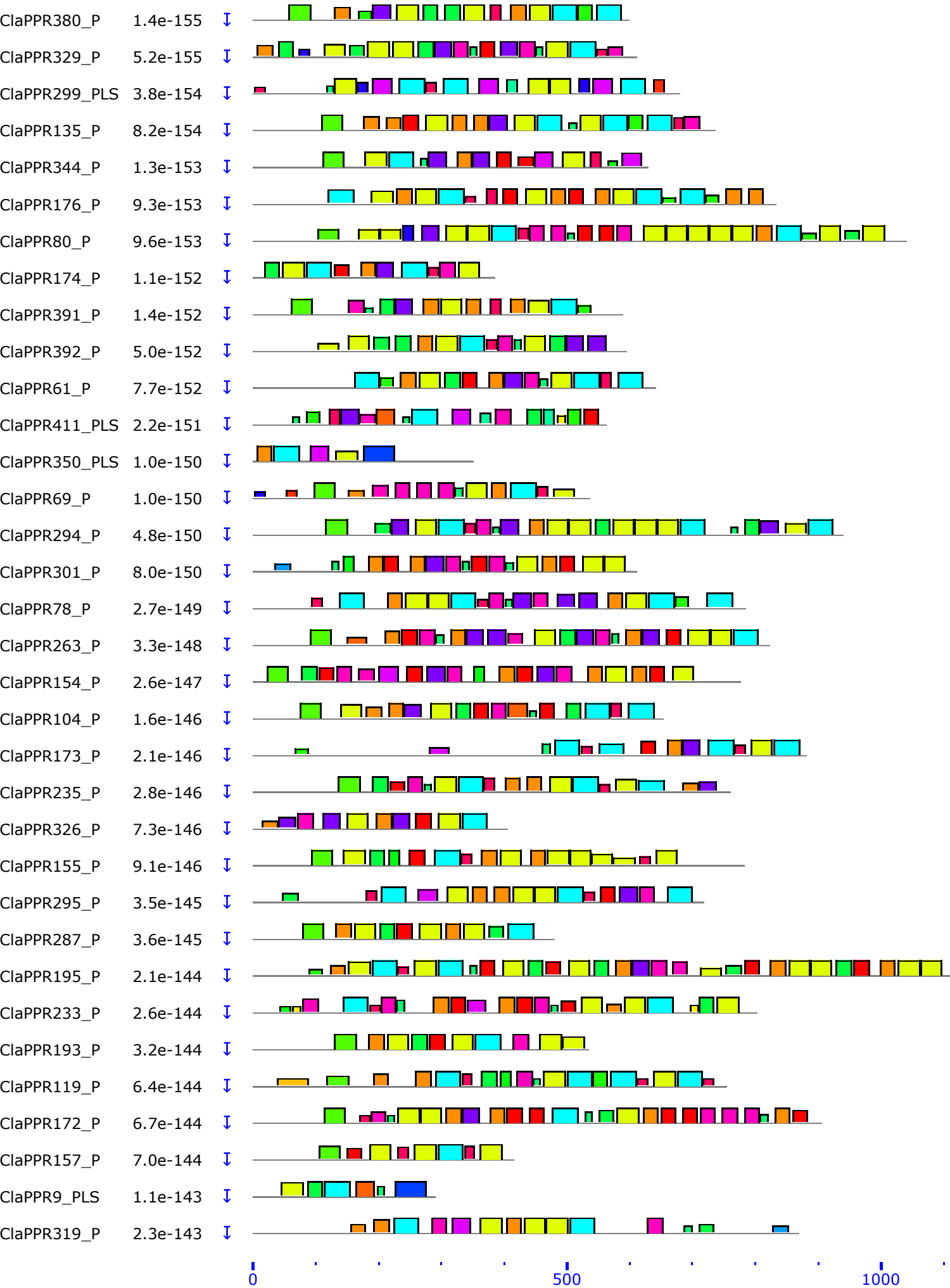
Sequence ? E-value ?

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ClaPPR139_E2	3.9e-182	↓	
ClaPPR49_E2	9.8e-182	↓	
ClaPPR214_E2	3.7e-181	↓	
ClaPPR259_E2	5.0e-181	↓	
ClaPPR110_E2	4.6e-179	↓	
ClaPPR127_E2	1.3e-178	↓	
ClaPPR73_E2	2.9e-178	↓	
ClaPPR354_E2	1.3e-177	↓	
ClaPPR290_E2	5.8e-177	↓	
ClaPPR188_PLS	1.2e-176	↓	
ClaPPR64_DYW	4.5e-176	↓	
ClaPPR395_E2	1.0e-174	↓	
ClaPPR113_E1	6.1e-173	↓	
ClaPPR54_E2	2.2e-172	↓	
ClaPPR22_E1	1.2e-171	↓	
ClaPPR245_E2	4.7e-171	↓	
ClaPPR145_P	2.9e-169	↓	
ClaPPR285_P	1.6e-168	↓	
ClaPPR312_E1	3.0e-168	↓	
ClaPPR84_P	9.2e-168	↓	
ClaPPR51_P	7.8e-166	↓	
ClaPPR186_P	8.5e-166	↓	
ClaPPR81_E2	1.6e-162	↓	
ClaPPR90_PLS	1.6e-161	↓	
ClaPPR37_E2	2.0e-161	↓	
ClaPPR198_P	9.7e-160	↓	
ClaPPR17_P	7.8e-159	↓	
ClaPPR218_P	1.6e-157	↓	
ClaPPR11_P	2.6e-157	↓	
ClaPPR401_PLS	3.3e-157	↓	
ClaPPR416_P	3.3e-157	↓	
ClaPPR63_P	6.7e-157	↓	
ClaPPR288_PLS	2.3e-156	↓	



Sequence  E-value 

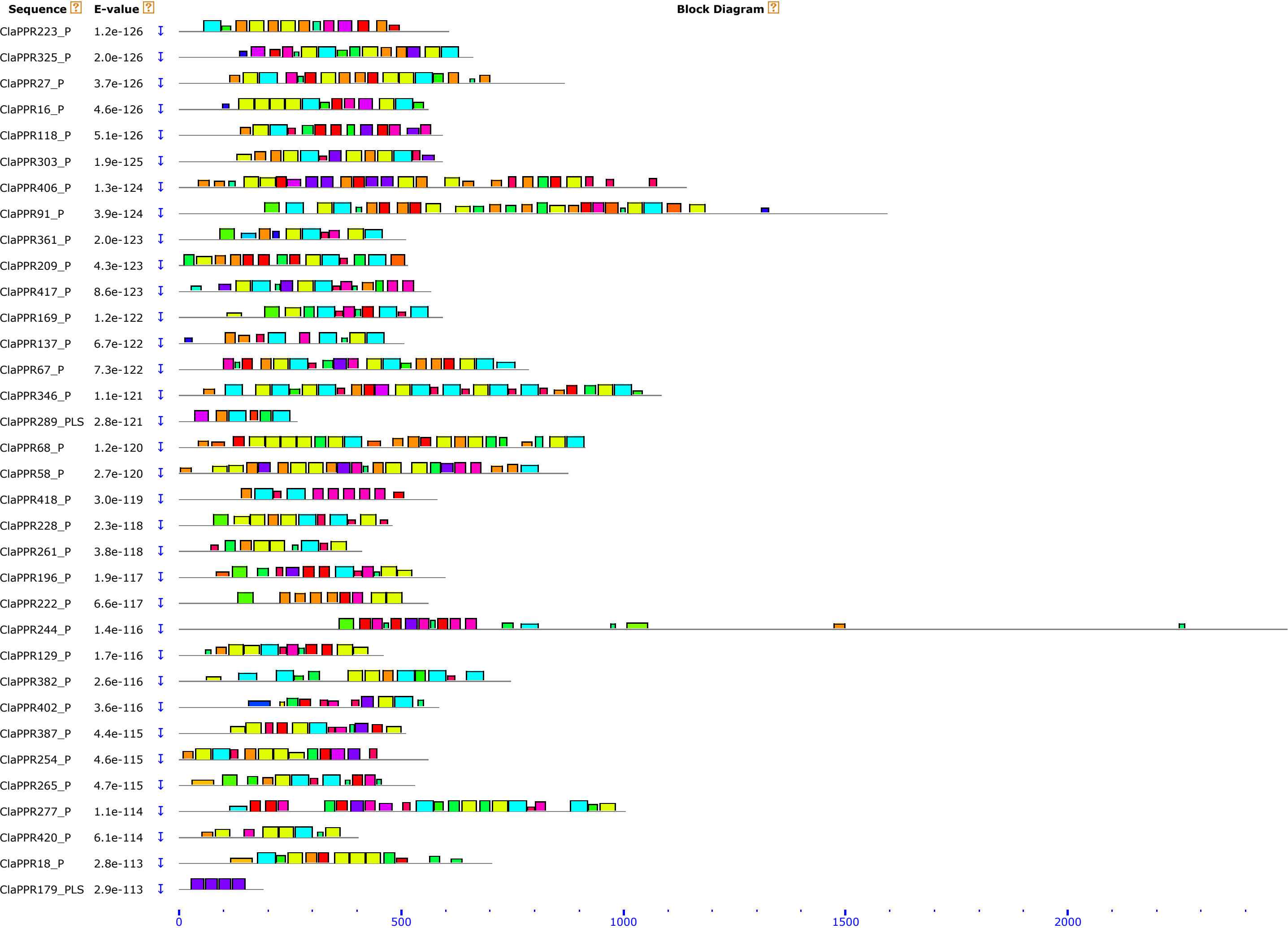
Block Diagram 







Block Diagram ?



Sequence ? E-value ?

Block Diagram ?





