

Table 1 Templates used for POPULUS recombination to generate the VGSC domain-II model

Template	Sequence Identity [with whole query (A519E7) seq]	Total Coverage [with whole query (A519E7) seq]	Sequence Coverage in modeled VGSC-IIS6	
			Start	End
2R9R_B	0.16	0.11	790	1033
3BEH_A	0.12	0.10	806	1032
1ORS_C	0.15	0.06	800	927
1DGS_A	0.12	0.05	768	922
2A79_B	0.23	0.04	841	943
1GCV_A	0.09	0.04	847	990
1YHU_B	0.07	0.04	847	987
1YX3_A	0.13	0.04	857	962
2E9X_B	0.12	0.04	863	951
2ZFO_D	0.12	0.03	914	991
1IRD_A	0.08	0.03	914	991
1X9F_D	0.10	0.03	914	993
1X9F_B	0.10	0.03	914	993
1SCT_B	0.12	0.03	915	989
1JF3_A	0.10	0.03	915	995
1H97_A	0.14	0.03	916	994
1SCT_A	0.08	0.03	917	990
2OWO_A	0.19	0.02	885	921
2A5W_A	0.14	0.02	904	962
2J8S_A	0.29	0.02	911	952
1Q16_B	0.35	0.01	892	911
1N4H_A	0.21	0.01	900	913
1J18_A	0.10	0.01	904	923
1IJ5_A	0.08	0.01	968	980
2DC3_A	0.11	0.01	969	986
1C7C_A	0.21	0.01	969	982
2NRL_A	0.22	0.01	969	986
1B3S_D	0.21	0.01	972	999
2CX6_A	0.25	0.01	986	997
2G72_A	0.10	0.01	1041	1074

Note: The 3D-JIGSAW POPULUS server while used in interactive mode generates above table