








































Assembly plan report

This document contains the list of all parts needed for the assembly, and a schematic plan of the assembly.

All required parts (39)

 conn_b-e - 1.9k	 hc_amp_ccdb - 2.7k	 p25_sv40-ori - 1.9k
 conn_b-l - 1.9k	 p10_tet-aptazyme - 2.0k	 p5_k1-k1 - 1.9k
 conn_h-k - 1.9k	 p11_sv40polya - 1.9k	 p5_kt-weiss - 1.9k
 conn_l-n - 1.9k	 p14_cmvp - 2.4k	 p6_atg-boxc - 1.9k
 conn_l-r - 1.9k	 p15_puror - 2.4k	 p6_kozak-atg - 1.9k
 conn_l-w - 1.9k	 p16_bghpolya - 2.1k	 p6_nt-sv40_nls - 1.8k
 conn_l-y - 1.9k	 p18_ef1ap - 3.0k	 p7_l7ae-weiss - 2.2k
 conn_q-r - 1.9k	 p19_mneogreen - 2.5k	 p7_mneogreen - 2.5k
 conn_r-w - 1.9k	 p19_mrby2 - 2.5k	 p7_mrby2 - 2.5k
 conn_t-v - 1.9k	 p1_5'-itr-pb - 2.2k	 p8_linker1 - 1.9k
 conn_w-x - 1.9k	 p1_5'ha-haavs1 - 2.7k	 p9_firefly_luciferase - 3.5k
 conn_w-y - 1.9k	 p22_pgkpolya - 2.0k	
 conn_w-z - 1.9k	 p23_insulatorfb - 2.0k	
 conn_y-z - 1.9k	 p24_3'pb - 2.1k	

Parts in each construct

	Assembly	Parts
1	C_3357_7	hc_amp_ccdb p1_5'ha-haavs1 conn_b-l conn_l-w p23_insulatorfb p24_3'pb conn_y-z
2	C_3101_11	hc_amp_ccdb p1_5'-itr-pb conn_b-e p5_kt-weiss p6_nt-sv40_nls p7_l7ae-weiss conn_h-k p11_sv40polya conn_l-r conn_r-w conn_w-z

	Assembly	Parts
3	C_3102_10	hc_amp_ccdb p1_5'-itr-pb conn_b-e p5_k1-k1 p6_kozak-atg p7_l7ae-weiss conn_h-k p11_sv40polya conn_l-y p25_sv40-ori
4	C_4058_10	hc_amp_ccdb p1_5'ha-haavs1 conn_b-e p5_kt-weiss p6_atg_boxc p7_mrubby2 conn_h-k p11_sv40polya conn_l-y p25_sv40-ori
5	C_4308_12	hc_amp_ccdb p1_5'ha-haavs1 conn_b-e p5_k1-k1 p6_kozak-atg p7_mneogreen conn_h-k p11_sv40polya conn_l-w conn_w-x p24_3'pb conn_y-z
6	C_9728_21	hc_amp_ccdb p1_5'ha-haavs1 conn_b-e p5_kt-weiss p6_atg_boxc p7_mrubby2 p8_linker1 p9_firefly_luciferase p10_tet-aptazyme p11_sv40polya conn_l-n p14_cmvp p15_puror p16_bghpolya conn_q-r p18_ef1ap p19_mneogreen conn_t-v p22_pgkpolya conn_w-y conn_y-z
7	C_8228_17	hc_amp_ccdb p1_5'ha-haavs1 conn_b-e p5_kt-weiss p6_atg_boxc p7_mrubby2 p8_linker1 p9_firefly_luciferase p10_tet-aptazyme p11_sv40polya conn_l-r p18_ef1ap p19_mrubby2 conn_t-v p22_pgkpolya conn_w-y conn_y-z

Constructs involving each part

Part	Assemblies
hc_amp_ccdb	C_3101_11 C_3102_10 C_3357_7 C_4058_10 C_4308_12 C_8228_17 C_9728_21
p1_5'ha-haavs1	C_3357_7 C_4058_10 C_4308_12 C_8228_17 C_9728_21
conn_b-l	C_3357_7
conn_l-w	C_3357_7 C_4308_12
p23_insulatorfb	C_3357_7
p24_3'pb	C_3357_7 C_4308_12
conn_y-z	C_3357_7 C_4308_12 C_8228_17 C_9728_21
p1_5'-itr-pb	C_3101_11 C_3102_10
conn_b-e	C_3101_11 C_3102_10 C_4058_10 C_4308_12 C_8228_17 C_9728_21
p5_kt-weiss	C_3101_11 C_4058_10 C_8228_17 C_9728_21
p6_nt-sv40_nls	C_3101_11
p7_l7ae-weiss	C_3101_11 C_3102_10
conn_h-k	C_3101_11 C_3102_10 C_4058_10 C_4308_12
p11_sv40polya	C_3101_11 C_3102_10 C_4058_10 C_4308_12 C_8228_17 C_9728_21
conn_l-r	C_3101_11 C_8228_17
conn_r-w	C_3101_11

Part	Assemblies
conn_w-z	C_3101_11
p5_k1-k1	C_3102_10 C_4308_12
p6_kozak-atg	C_3102_10 C_4308_12
conn_l-y	C_3102_10 C_4058_10
p25_sv40-ori	C_3102_10 C_4058_10
p6_atg_boxc	C_4058_10 C_8228_17 C_9728_21
p7_mrubby2	C_4058_10 C_8228_17 C_9728_21
p7_mneogreen	C_4308_12
conn_w-x	C_4308_12
p8_linker1	C_8228_17 C_9728_21
p9_firefly_luciferase	C_8228_17 C_9728_21
p10_tet-aptazyme	C_8228_17 C_9728_21
conn_l-n	C_9728_21
p14_cmvp	C_9728_21
p15_puror	C_9728_21
p16_bghpolya	C_9728_21
conn_q-r	C_9728_21
p18_ef1ap	C_8228_17 C_9728_21
p19_mneogreen	C_9728_21
conn_t-v	C_8228_17 C_9728_21
p22_pgkpolya	C_8228_17 C_9728_21
conn_w-y	C_8228_17 C_9728_21
p19_mrubby2	C_8228_17