

# Assembly mix picklist report

## Parts consumption

Part	Well	Times used	Volume consumed	Final volume
conn b-e	Source - B1	6	165 nL	49.84 µL
conn b-l	Source - C1	1	32.5 nL	49.97 µL
conn h-k	Source - H1	4	90 nL	49.91 µL
conn l-n	Source - J1	1	22.5 nL	49.98 µL
conn l-r	Source - K1	2	35 nL	49.96 µL
conn l-w	Source - L1	2	25 nL	49.98 µL
conn l-y	Source - M1	2	40 nL	49.96 µL
conn q-r	Source - N1	1	20 nL	49.98 µL
conn r-w	Source - O1	1	17.5 nL	49.98 µL
conn t-v	Source - P1	2	60 nL	49.94 µL
conn w-x	Source - A2	1	22.5 nL	49.98 µL
conn w-y	Source - B2	2	35 nL	49.96 µL
conn w-z	Source - C2	1	20 nL	49.98 µL
conn y-z	Source - D2	4	90 nL	49.91 µL
hc_amp_ccdb	Source - E2	7	192.5 nL	49.81 µL
p10_tet-aptazyme	Source - G2	2	65 nL	49.94 µL
p11_sv40polya	Source - H2	6	150 nL	49.85 µL
p14_cmvp	Source - I2	1	7.5 nL	49.99 µL
p15_puror	Source - K2	1	27.5 nL	49.97 µL
p16_bghpolya	Source - L2	1	32.5 nL	49.97 µL
p18_ef1ap	Source - N2	2	40 nL	49.96 µL
p19_mneogreen	Source - O2	1	15 nL	49.99 µL

Part	Well	Times used	Volume consumed	Final volume
p19_mrby2	Source - P2	1	22.5 nL	49.98 µL
p1_5'-itr-pb	Source - C3	2	45 nL	49.96 µL
p1_5'ha-haavs1	Source - D3	5	87.5 nL	49.91 µL
p22_pgkpolya	Source - O3	2	30 nL	49.97 µL
p23_insulatorfb	Source - P3	1	22.5 nL	49.98 µL
p24_3'pb	Source - B4	2	55 nL	49.95 µL
p25_sv40-ori	Source - C4	2	65 nL	49.94 µL
p5_k1-k1	Source - M4	2	40 nL	49.96 µL
p5_kt-weiss	Source - N4	4	80 nL	49.92 µL
p6_atg_boxc	Source - O4	3	52.5 nL	49.95 µL
p6_kozak-atg	Source - P4	2	60 nL	49.94 µL
p6_nt-sv40_nls	Source - E5	1	27.5 nL	49.97 µL
p7_l7ae-weiss	Source - G5	2	65 nL	49.94 µL
p7_mneogreen	Source - L5	1	32.5 nL	49.97 µL
p7_mrby2	Source - M5	3	75 nL	49.92 µL
p8_linker1	Source - O5	2	30 nL	49.97 µL
p9_firefly luciferase	Source - G6	2	40 nL	49.96 µL
WATER	Source - O24	7	3.56 µL	46.44 µL
BUFFER	Source - P24	7	1.4 µL	48.6 µL

## Assemblies

### C\_3357\_7 (Mixplate-A1)

Part	Well	Volume
hc_amp_ccdb	Source - E2	27.5 nL
p1_5'ha-haavs1	Source - D3	17.5 nL
conn b-l	Source - C1	32.5 nL
conn l-w	Source - L1	12.5 nL
p23_insulatorfb	Source - P3	22.5 nL

Part	Well	Volume
p24_3'pb	Source - B4	27.5 nL
conn y-z	Source - D2	22.5 nL
WATER	Source - O24	637.5 nL
BUFFER	Source - P24	200 nL

## C\_3101\_11 (Mixplate-B1)

Part	Well	Volume
hc_amp_ccdb	Source - E2	27.5 nL
p1_5'-itr-pb	Source - C3	22.5 nL
conn b-e	Source - B1	27.5 nL
p5_kt-weiss	Source - N4	20 nL
p6_nt-sv40_nls	Source - E5	27.5 nL
p7_l7ae-weiss	Source - G5	32.5 nL
conn h-k	Source - H1	22.5 nL
p11_sv40polya	Source - H2	25 nL
conn l-r	Source - K1	17.5 nL
conn r-w	Source - O1	17.5 nL
conn w-z	Source - C2	20 nL
WATER	Source - O24	540 nL
BUFFER	Source - P24	200 nL

## C\_3102\_10 (Mixplate-C1)

Part	Well	Volume
hc_amp_ccdb	Source - E2	27.5 nL
p1_5'-itr-pb	Source - C3	22.5 nL
conn b-e	Source - B1	27.5 nL
p5_k1-k1	Source - M4	20 nL
p6_kozak-atg	Source - P4	30 nL

Part	Well	Volume
p7_I7ae-weiss	Source - G5	32.5 nL
conn h-k	Source - H1	22.5 nL
p11_sv40polya	Source - H2	25 nL
conn l-y	Source - M1	20 nL
p25_sv40-ori	Source - C4	32.5 nL
WATER	Source - O24	540 nL
BUFFER	Source - P24	200 nL

## C\_4058\_10 (Mixplate-D1)

Part	Well	Volume
hc_amp_ccdb	Source - E2	27.5 nL
p1_5'ha-haavs1	Source - D3	17.5 nL
conn b-e	Source - B1	27.5 nL
p5_kt-weiss	Source - N4	20 nL
p6_atg_boxc	Source - O4	17.5 nL
p7_mraby2	Source - M5	25 nL
conn h-k	Source - H1	22.5 nL
p11_sv40polya	Source - H2	25 nL
conn l-y	Source - M1	20 nL
p25_sv40-ori	Source - C4	32.5 nL
WATER	Source - O24	565 nL
BUFFER	Source - P24	200 nL

## C\_4308\_12 (Mixplate-E1)

Part	Well	Volume
hc_amp_ccdb	Source - E2	27.5 nL
p1_5'ha-haavs1	Source - D3	17.5 nL
conn b-e	Source - B1	27.5 nL

Part	Well	Volume
p5_k1-k1	Source - M4	20 nL
p6_kozak-atg	Source - P4	30 nL
p7_mneogreen	Source - L5	32.5 nL
conn h-k	Source - H1	22.5 nL
p11_sv40polya	Source - H2	25 nL
conn l-w	Source - L1	12.5 nL
conn w-x	Source - A2	22.5 nL
p24_3'pb	Source - B4	27.5 nL
conn y-z	Source - D2	22.5 nL
WATER	Source - O24	512.5 nL
BUFFER	Source - P24	200 nL

## C\_9728\_21 (Mixplate-F1)

Part	Well	Volume
hc_amp_ccdb	Source - E2	27.5 nL
p1_5'ha-haavs1	Source - D3	17.5 nL
conn b-e	Source - B1	27.5 nL
p5_kt-weiss	Source - N4	20 nL
p6_atg_boxc	Source - O4	17.5 nL
p7_mrby2	Source - M5	25 nL
p8_linker1	Source - O5	15 nL
p9_firefly luciferase	Source - G6	20 nL
p10_tet-aptazyme	Source - G2	32.5 nL
p11_sv40polya	Source - H2	25 nL
conn l-n	Source - J1	22.5 nL
p14_cmvp	Source - I2	7.5 nL
p15_puror	Source - K2	27.5 nL
p16_bghpolya	Source - L2	32.5 nL
conn q-r	Source - N1	20 nL

Part	Well	Volume
p18_ef1ap	Source - N2	20 nL
p19_mneogreen	Source - O2	15 nL
conn t-v	Source - P1	30 nL
p22_pgkpolya	Source - O3	15 nL
conn w-y	Source - B2	17.5 nL
conn y-z	Source - D2	22.5 nL
WATER	Source - O24	342.5 nL
BUFFER	Source - P24	200 nL

## C\_8228\_17 (Mixplate-G1)

Part	Well	Volume
hc_amp_ccdb	Source - E2	27.5 nL
p1_5'ha-haavs1	Source - D3	17.5 nL
conn b-e	Source - B1	27.5 nL
p5_kt-weiss	Source - N4	20 nL
p6_atg_boxc	Source - O4	17.5 nL
p7_mrby2	Source - M5	25 nL
p8_linker1	Source - O5	15 nL
p9_firefly luciferase	Source - G6	20 nL
p10_tet-aptazyme	Source - G2	32.5 nL
p11_sv40polya	Source - H2	25 nL
conn l-r	Source - K1	17.5 nL
p18_ef1ap	Source - N2	20 nL
p19_mrby2	Source - P2	22.5 nL
conn t-v	Source - P1	30 nL
p22_pgkpolya	Source - O3	15 nL
conn w-y	Source - B2	17.5 nL
conn y-z	Source - D2	22.5 nL
WATER	Source - O24	427.5 nL

Part	Well	Volume
<b>BUFFER</b>	Source - P24	200 nL