Purpose

Below I've done calculations for my CHIP2 library glycerol stocks.

GASright

Sample	OD600	Number of Sequences	Sequence Ratio	Sequence Ratio/OD	Ratio for 1mL	uL per stock
All Controls	0.6688	13	0.007373794668	0.011025410688067	0.0084845231	8.5
1	0.7113	173	0.098128190584	0.137956123413794	0.106163113	106.2
2	0.8218	170	0.096426545661	0.117335782016069	0.090294882	90.3
7	0.7776	723	0.410096426546	0.527387379816951	0.4058470522	405.8
8	0.7671	684	0.387975042541	0.505768534143036	0.3892104296	389.2
		1763		1.29947323007792	1	1000

Left

Sample	OD600	Number of Sequences	Sequence Ratio	Sequence Ratio/OD	Ratio for 1mL	uL per stock
All Controls	0.6688	13	0.007182320442	0.0107391154934045	0.0074545665	7.5
3	0.8166	177	0.097790055249	0.119752700524882	0.0831264424	83.1
4	0.7448	175	0.096685082873	0.129813483986209	0.090110144	90.1
9	0.6634	733	0.404972375691	0.610449767396153	0.4237442428	423.7
10	0.6903	712	0.393370165746	0.569853926909831	0.3955646044	395.6
		1810		1.44060899431048	1	1000

Right

Sample	OD600	Number of Sequences	Sequence Ratio	Sequence Ratio/OD	Ratio for 1mL	uL per stock
All Controls	0.6688	13	0.007348784624	0.0109880152872031	0.0077756284	7.8
5	0.8044	175	0.098925946863	0.122981037870008	0.0870270769	87
6	0.7161	169	0.095534200113	0.133409021244321	0.0944064008	94.4
11	0.7182	721	0.407574901074	0.567494988964151	0.4015857315	401.6
12	0.6755	691	0.390616167326	0.578262275834453	0.4092051623	409.2
		1769		1.41313533920014	1	1000

All

Sample	OD600	Number of Sequences	Sequence Ratio	Sequence Ratio/OD	Ratio for 1mL	uL per stock
All Controls	0.6688	13	0.002445447705	0.0036564708508394	0.0026412083	2.6
1	0.7113	173	0.032543265613	0.0457518144429116	0.0330482796	33
2	0.8218	170	0.031978931527	0.0389132775948701	0.0281085437	28.1
7	0.7776	723	0.136004514673	0.174902925247796	0.12633905	126.3
8	0.7671	684	0.128668171558	0.167733244111018	0.121160116	121.2
3	0.8166	177	0.033295711061	0.0407735868980506	0.0294523161	29.5
4	0.7448	175	0.032919488337	0.0441990981969597	0.0319266934	31.9
9	0.6634	733	0.137885628292	0.207846892209751	0.1501357331	150.1
10	0.6903	712	0.133935289691	0.194024756904965	0.1401514779	140.2
5	0.8044	175	0.032919488337	0.0409242768984281	0.0295611652	29.6
6	0.7161	169	0.031790820166	0.0443943864900684	0.0320677576	32.1
11	0.7182	721	0.135628291949	0.188844739555603	0.1364097539	136.4
12	0.6755	691	0.129984951091	0.192427758832044	0.1389979053	139
		5316		1.38439322823331	1	1000

Mutants

Sample	OD600	Number of Sequences	Sequence Ratio	Sequence Ratio/OD	Ratio for 1mL	uL per stock
All Controls	0.6688	13	0.003039513678	0.0045447273890723	0.0032374285	3.2
7	0.7776	723	0.169043722235	0.217391618100838	0.1548585341	154.9
8	0.7671	684	0.159925181202	0.208480225787742	0.1485105195	148.5
9	0.6634	733	0.17138180968	0.258338573529819	0.1840270252	184
10	0.6903	712	0.166471826046	0.241158664415898	0.1717889474	171.8
11	0.7182	721	0.168576104746	0.234720279513113	0.1672025753	167.2
12	0.6755	691	0.161561842413	0.239173711936205	0.17037497	170.4
	0.7284	4277		1.40380780067269	1	1000

Designs

Sample	OD600	Number of Sequences	Sequence Ratio	Sequence Ratio/OD	Ratio for 1mL	uL per stock
All Controls	0.6688	13	0.012357414449	0.0184769952880819	0.0141387792	14.1
1	0.7113	173	0.164448669202	0.231194530017603	0.1769123367	176.9
2	0.8218	170	0.161596958175	0.196637817199933	0.1504691989	150.5
3	0.8166	177	0.16825095057	0.206038391587487	0.1576626112	157.7
4	0.7448	175	0.166349809886	0.2233482946911	0.1709083199	170.9
5	0.8044	175	0.166349809886	0.206799863110308	0.1582452967	158.2
6	0.7161	169	0.160646387833	0.224335131731182	0.1716634574	171.7
		1052		1.3068310236257	1	1000

SGFC segments

Sample	OD600	Number of Sequences	Sequence Ratio	Sequence Ratio/OD	Ratio for 1mL	uL per stock
All Controls	0.6688	13	0.00730747611	0.0109262501647342	0.0074193098	7.4
13	0.7284	844	0.474423833614	0.651323220228432	0.442271471	442.3
ASR+SWAP	0.6395	922	0.518268690275	0.810427975411158	0.5503092193	550.3
		1779		1.47267744580432	1	1000

	OD600
1	0.7113
2	0.8218
3	0.8166
4	0.7448
5	0.8044
6	0.7161
7	0.7776
8	0.7671
9	0.6634
10	0.6903
11	0.7182
12	0.6755
13	0.7284
All controls	0.6688
ASR + SWAP	0.6395