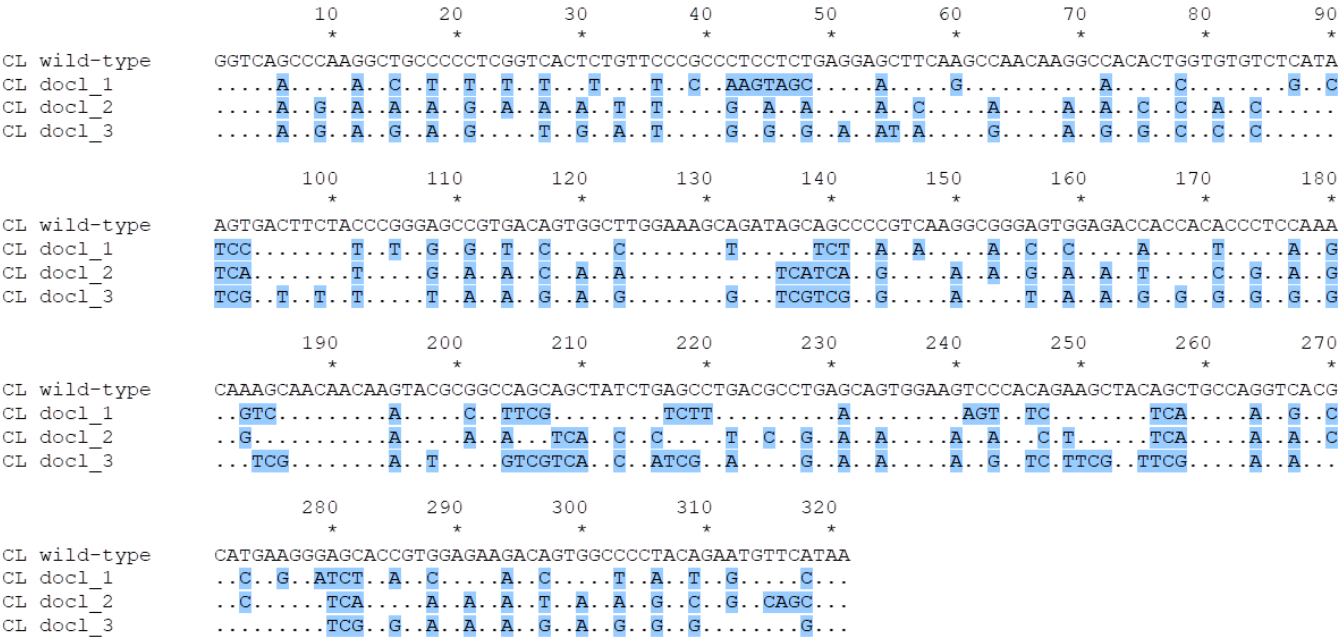


Figure S1

A



B



Figure S2

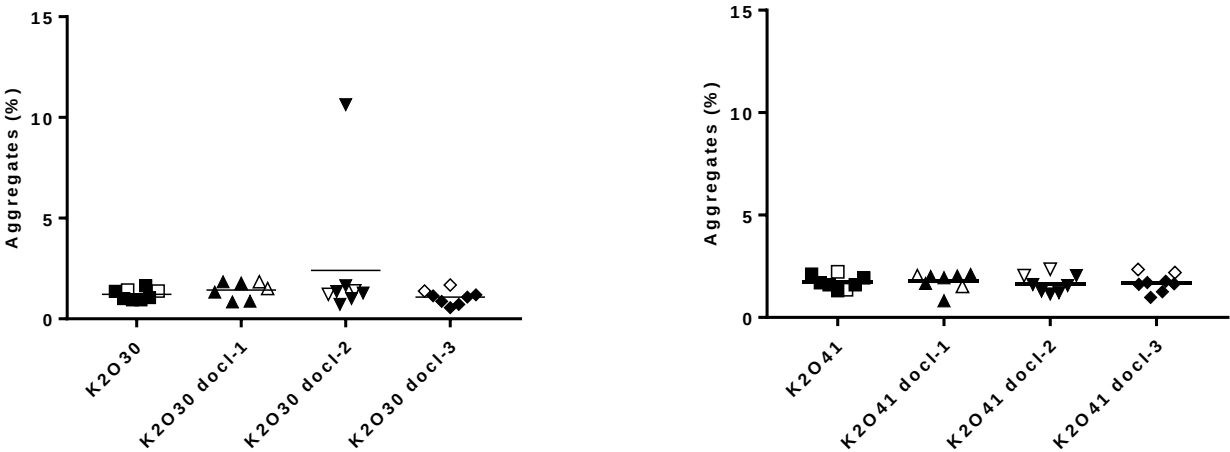


Table S1. IgG titers, form distributions and aggregates in the supernatants of stable CHO pools.

		Total IgG titer (mg/L)	Lambda Light chain (%)	Kappa light chain (%)	IgGκλ (%)	IgGκκ (%)	IgGλλ (%)	IgGκλ titer (mg/L)	Aggregates (%)
K2O41 wt	1	1937.2	42.28	57.72	53.89	39.35	6.76	1043.95	2.23
	2	612.4	49.26	50.74	57.01	25.72	17.27	349.12	1.59
	4	670.5	53.12	46.88	43.65	28.18	28.17	292.67	1.30
	5	783.3	43.95	56.05	54.14	32.03	13.83	424.07	1.69
	6	1366.9	44.28	55.72	56.23	32.29	11.49	768.60	1.35
	7	810.4	43.60	56.40	54.59	28.57	16.84	442.39	1.59
	8	1243.7	41.73	58.27	53.59	35.26	11.15	666.49	1.93
K2O41 docl-1	1	932.9	26.01	73.99	35.41	62.55	2.04	330.34	2.11
	2	851.8	42.72	57.28	57.13	33.12	9.76	486.63	1.67
	3	2398.4	32.16	67.84	39.14	58.61	2.24	938.73	2.04
	4	1161.4	31.21	68.79	37.92	58.12	3.96	440.40	1.94
	5	1144.8	20.80	79.20	29.56	68.84	1.59	338.40	2.03
	6	2861.8	29.44	70.56	37.61	60.68	1.71	1076.32	1.52
	7	1481.0	17.42	82.58	40.87	56.06	3.07	605.28	2.01
	8	762.5	30.55	69.45	51.05	38.42	10.53	389.25	0.82
K2O41 docl-2	1	274.5	33.16	66.84	47.70	47.89	4.41	130.93	1.15
	2	960.3	20.47	79.53	23.63	76.10	0.28	226.91	1.28
	3	1172.1	27.07	72.93	32.64	65.91	1.44	382.57	1.55
	4	909.4	33.64	66.36	45.55	50.09	4.36	414.23	1.21
	5	1717.8	30.13	69.87	42.53	55.51	1.96	730.58	2.35
	6	1525.8	34.32	65.68	45.55	49.26	5.19	695.00	2.05
	7	1423.2	29.10	70.90	49.38	46.89	3.73	702.77	1.61
	8	1603.6	46.03	53.97	53.74	38.36	7.90	861.77	2.34
K2O41 docl-3	2	675.5	49.61	50.39	57.74	30.01	12.25	390.03	1.25
	3	1616.9	32.19	67.81	41.16	55.39	3.45	665.51	2.19
	4	1272.8	42.42	57.58	51.33	41.59	7.08	653.32	0.98
	5	1432.2	54.94	45.06	57.96	29.31	12.73	830.10	1.71
	6	1124.6	31.80	68.20	49.48	48.15	2.37	556.45	1.62
	7	1272.8	42.42	57.58	51.33	41.59	7.08	653.32	0.98
K2O30 wt	2	780.1	48.80	51.20	54.88	26.65	18.47	428.11	0.94
	3	1668.3	30.09	69.91	31.36	65.41	3.23	523.17	1.06
	4	1228.0	42.50	57.50	44.77	43.87	11.36	549.77	1.65
	5	926.7	44.13	55.87	53.04	33.28	13.67	491.52	1.37
	6	253.9	44.70	55.30	52.45	31.29	16.26	133.17	0.95
	7	1075.3	54.17	45.83	61.25	22.77	15.98	658.62	1.43
	8	1187.4	54.92	45.08	54.59	26.14	19.27	648.20	1.38
	9	1187.4	54.92	45.08	54.59	26.14	19.27	648.20	1.38
K2O30 docl-1	1	1996.1	49.59	50.41	55.83	26.20	17.96	1114.42	1.84
	3	1509.5	47.01	52.99	55.08	29.60	15.32	831.43	1.50
	4	1405.3	44.95	55.05	52.71	31.99	15.30	740.73	0.84
	6	1163.3	44.64	55.36	48.50	33.45	18.06	564.20	1.84
	7	1544.3	54.15	45.85	53.52	19.97	26.51	826.50	1.33
	8	366.3	47.76	52.24	54.07	25.79	20.14	198.05	0.88
K2O30 docl-2	2	1530.1	33.99	66.01	43.77	49.80	6.43	669.72	1.28
	3	1129.5	44.10	55.90	54.29	32.26	13.45	613.20	10.63
	4	1163.1	44.38	55.62	52.64	30.05	17.31	612.25	1.65
	5	1743.5	38.76	61.24	51.05	38.89	10.06	890.05	1.22
	6	1165.8	36.58	63.42	57.51	35.71	6.78	670.45	1.36
	7	1929.1	40.20	59.80	53.20	36.96	9.85	1026.28	1.39
	8	1929.1	40.20	59.80	53.20	36.96	9.85	1026.28	1.39
K2O30 docl-3	1	1497.4	47.46	52.54	56.45	28.97	14.57	845.28	1.68
	3	610.4	36.43	63.57	48.51	43.95	7.54	296.10	0.55
	4	1294.8	45.99	54.01	53.42	29.37	17.22	691.68	1.38
	5	614.6	35.31	64.69	56.44	37.88	5.68	346.88	0.87
	6	855.3	41.64	58.36	53.78	33.21	13.00	459.98	1.20
	7	798.1	26.32	73.68	36.77	56.73	6.50	293.46	1.08
	8	798.1	26.32	73.68	36.77	56.73	6.50	293.46	1.08

Table S2. HIC analysis of IgG form distribution after two affinity chromatography steps

Sample	%IgG $\kappa\kappa$	%IgG $\kappa\lambda$	%IgG $\lambda\lambda$
K2O41 wt-6	0,05	86,8	13,2
K2O41 docl-3-5	0,03	72,6	27,3
K2O41 docl-1-3	0,05	94,4	5,5
K2O41 docl-1-6	0,09	94	6