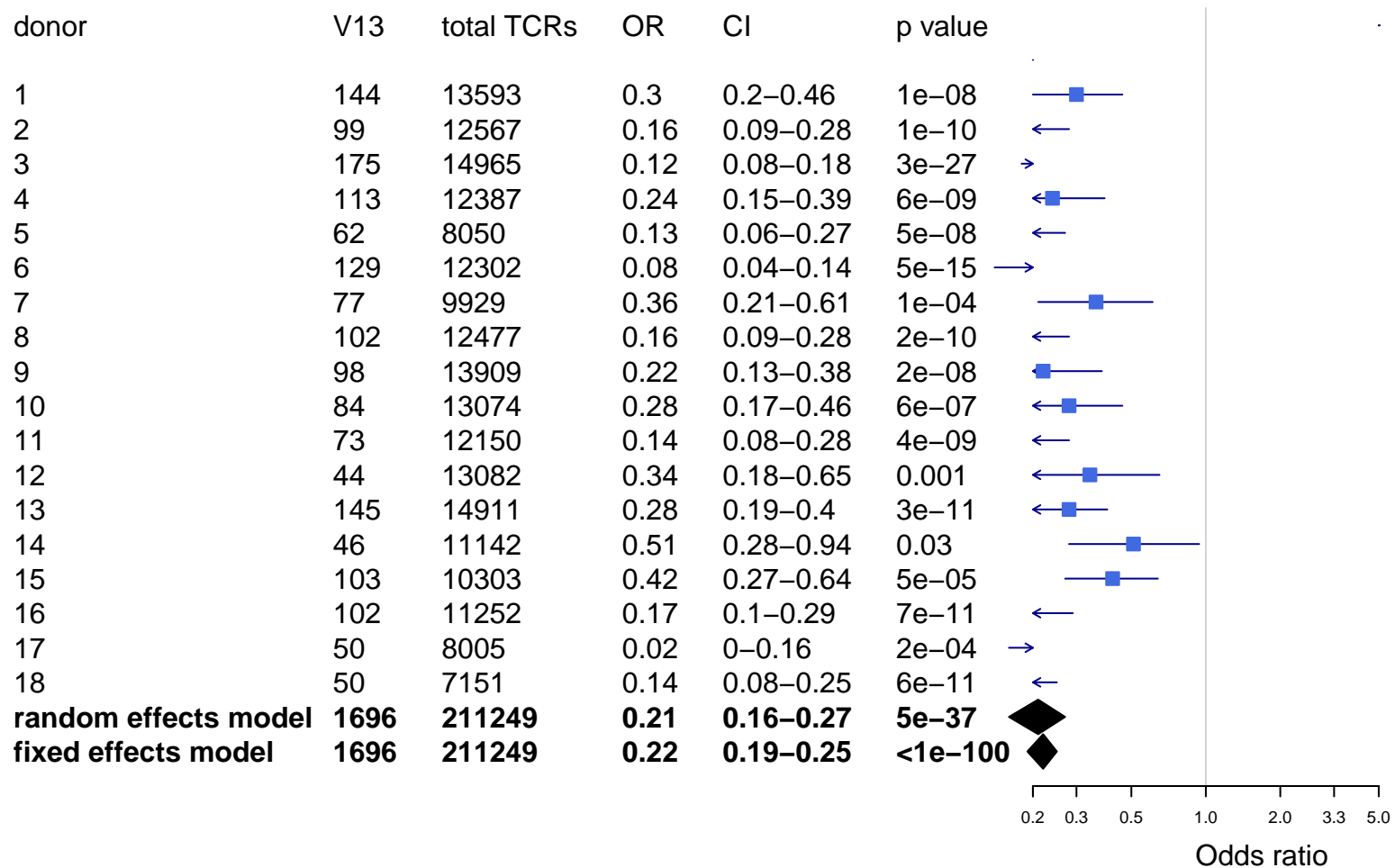
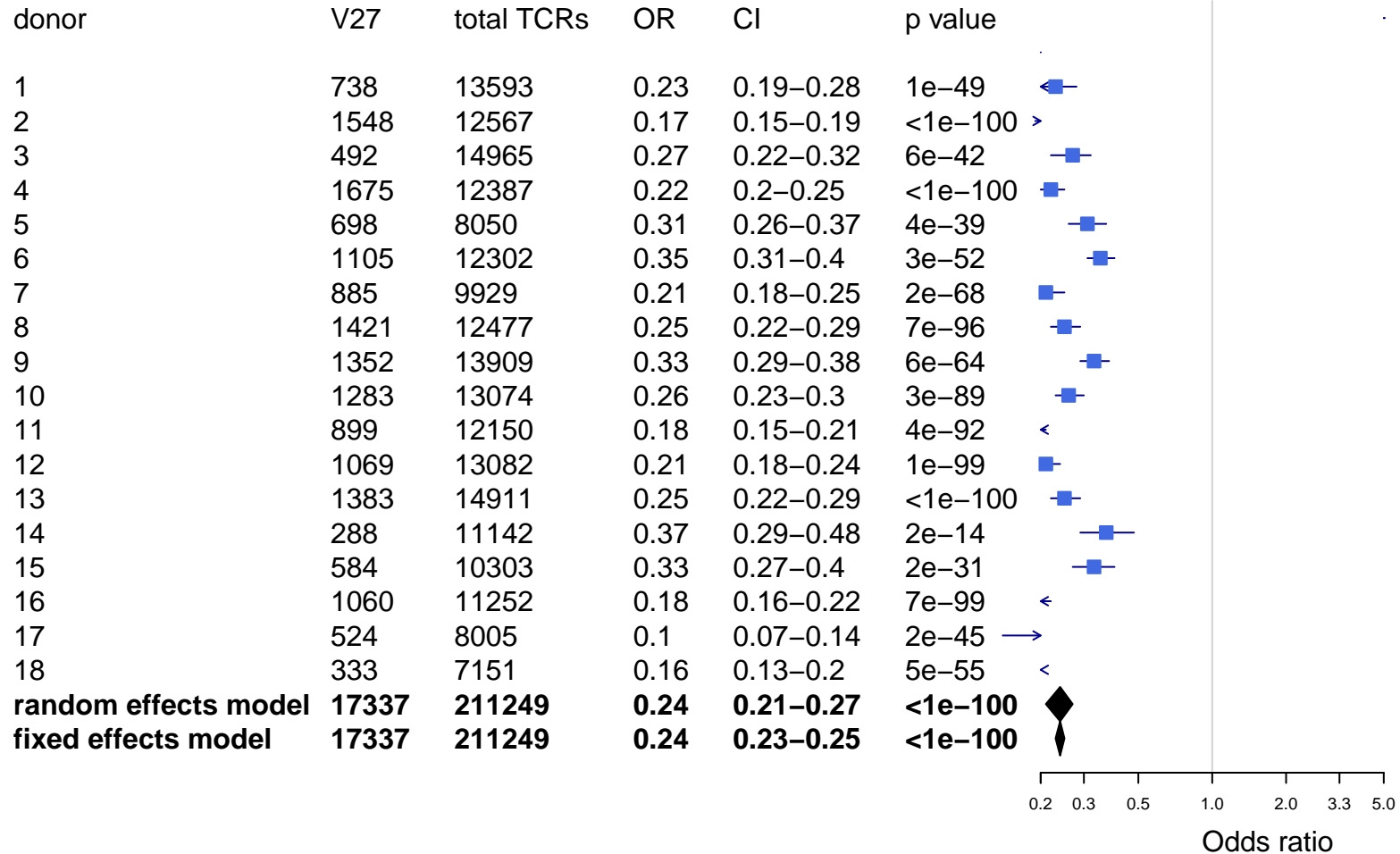


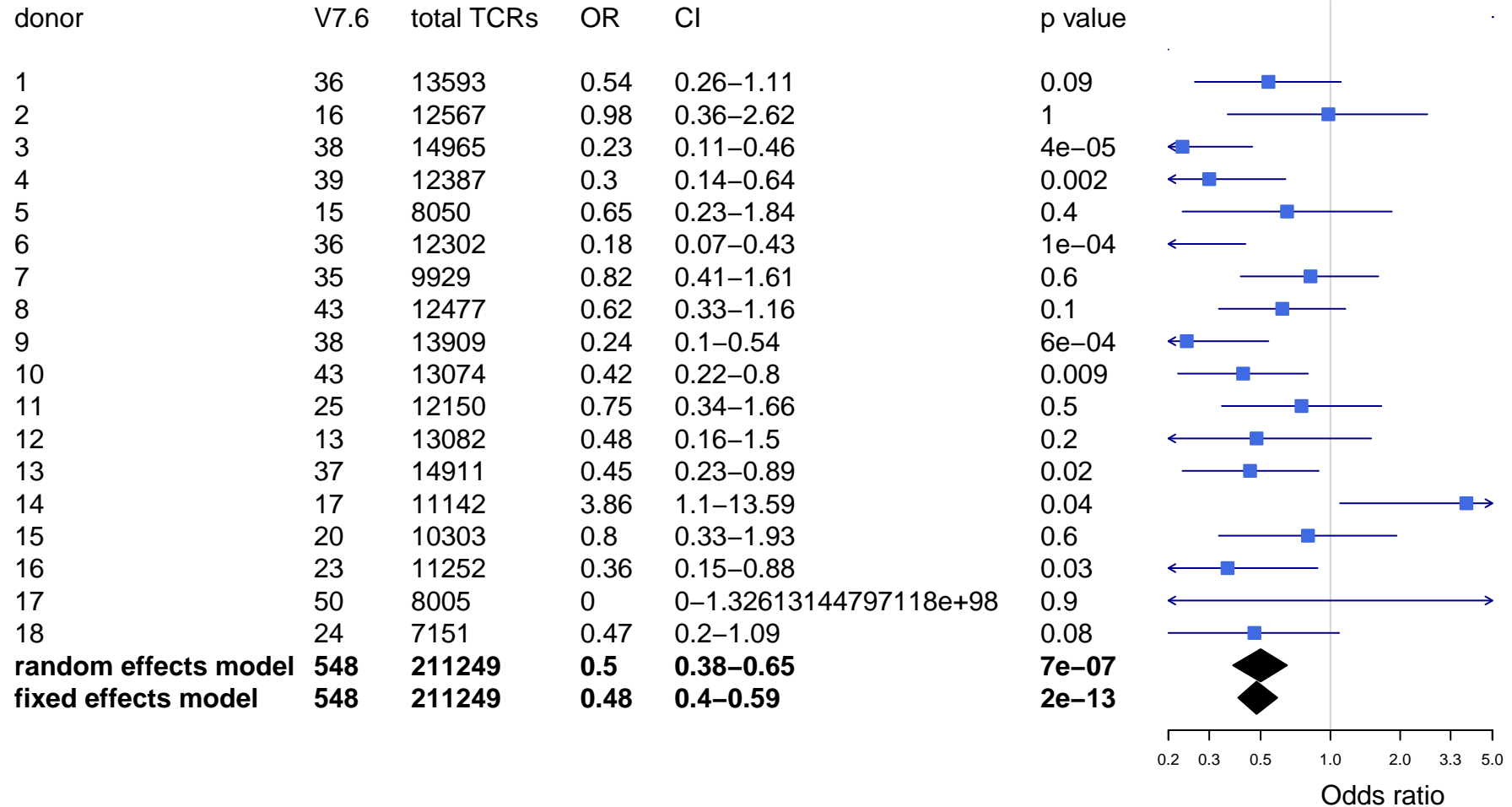
Propensity for Vbeta13



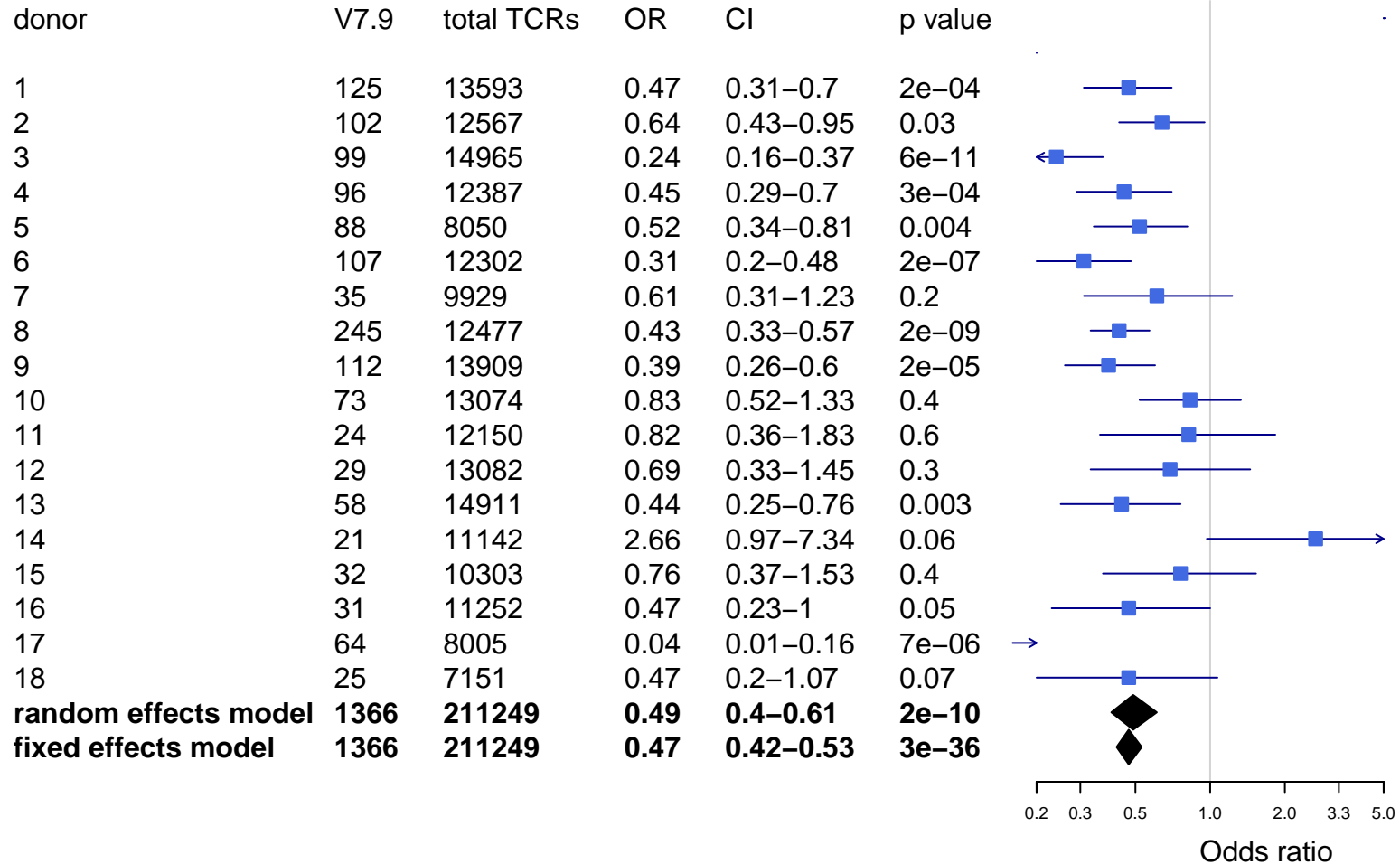
Propensity for Vbeta27



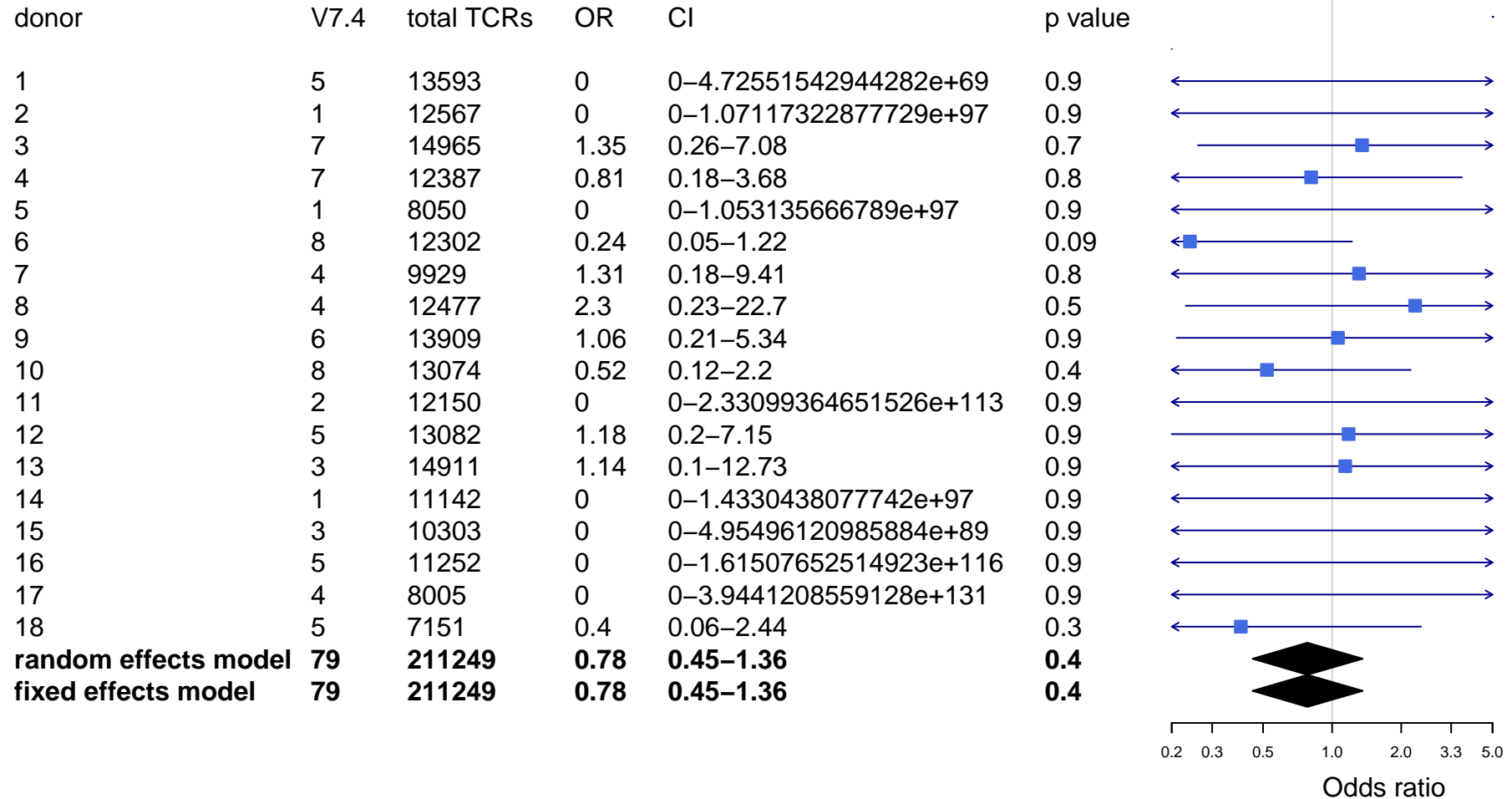
Propensity for Vbeta7.6



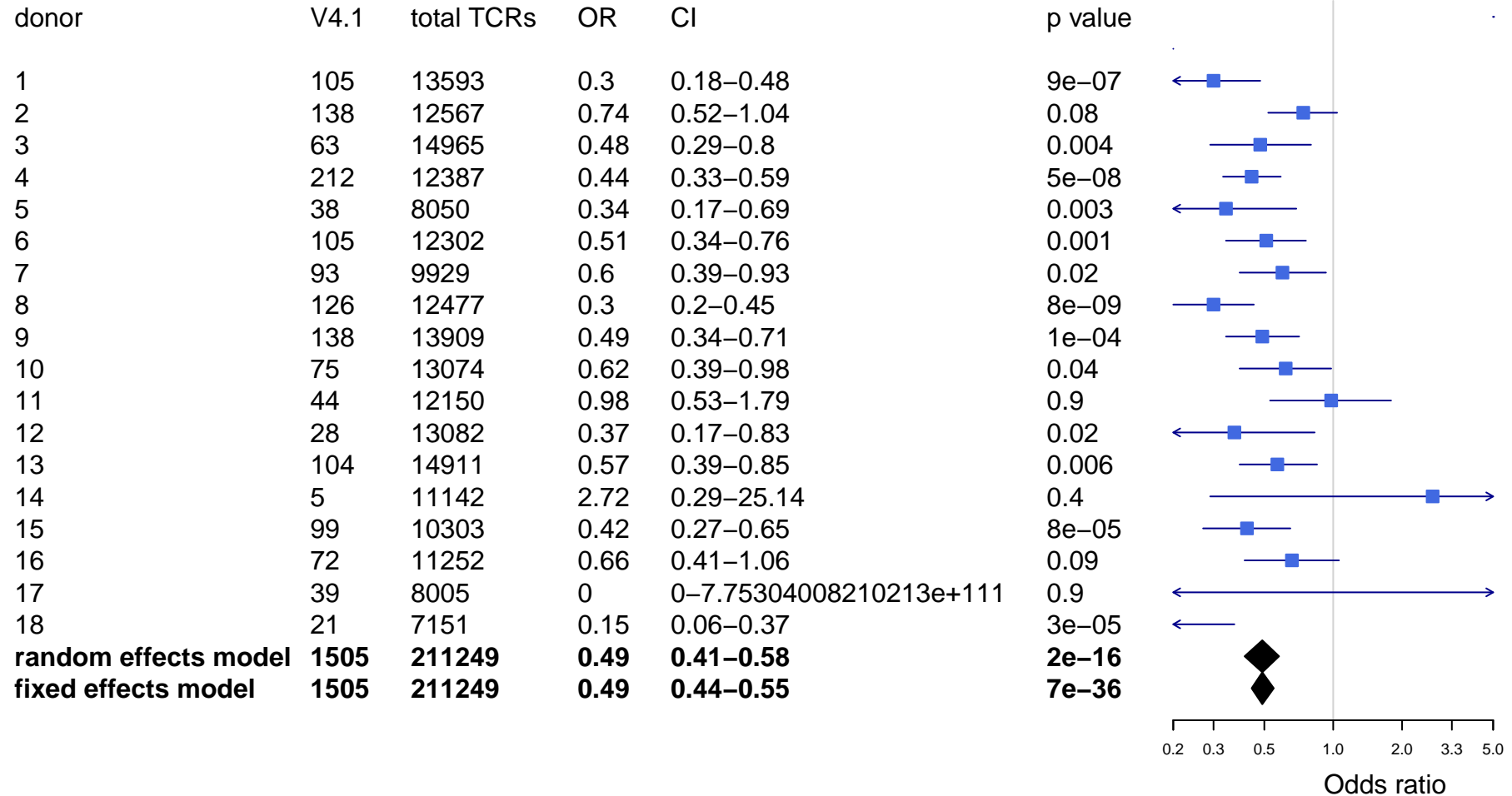
Propensity for Vbeta7.9



Propensity for Vbeta7.4

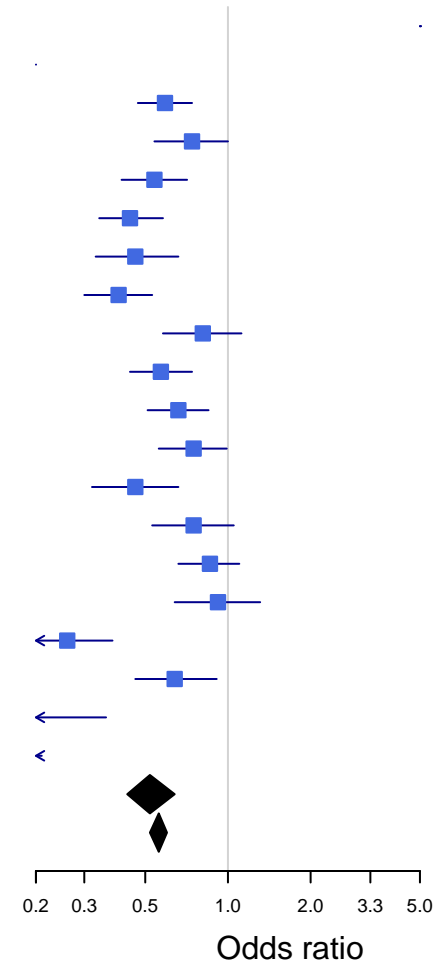


Propensity for Vbeta4.1



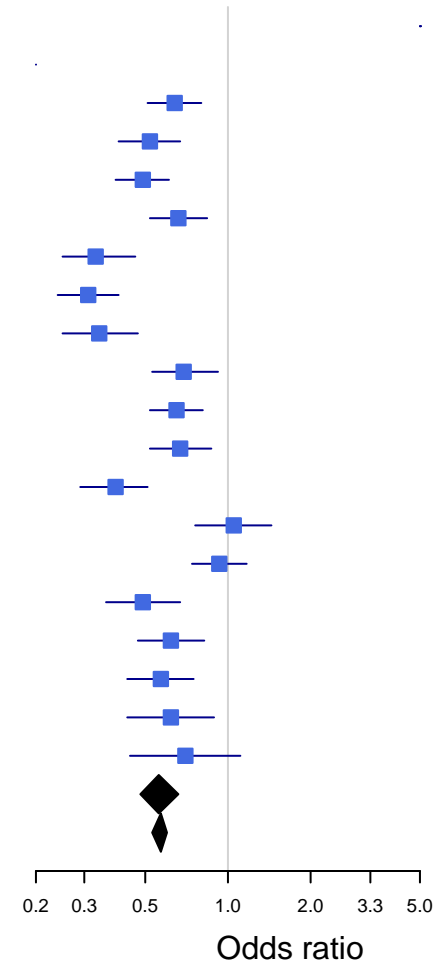
Propensity for Vbeta7.8

donor	V7.8	total TCRs	OR	CI	p value
1	359	13593	0.59	0.47–0.74	4e–06
2	166	12567	0.74	0.54–1	0.05
3	205	14965	0.54	0.41–0.71	1e–05
4	269	12387	0.44	0.34–0.58	2e–09
5	146	8050	0.46	0.33–0.66	2e–05
6	226	12302	0.4	0.3–0.53	2e–10
7	154	9929	0.81	0.58–1.12	0.2
8	251	12477	0.57	0.44–0.74	2e–05
9	248	13909	0.66	0.51–0.85	0.002
10	201	13074	0.75	0.56–0.99	0.04
11	135	12150	0.46	0.32–0.66	2e–05
12	139	13082	0.75	0.53–1.05	0.09
13	246	14911	0.86	0.66–1.1	0.2
14	124	11142	0.92	0.64–1.31	0.6
15	148	10303	0.26	0.17–0.38	1e–11
16	139	11252	0.64	0.46–0.91	0.01
17	76	8005	0.19	0.1–0.36	5e–07
18	120	7151	0.14	0.1–0.21	4e–24
random effects model	3352	211249	0.52	0.43–0.64	7e–11
fixed effects model	3352	211249	0.56	0.52–0.6	4e–57

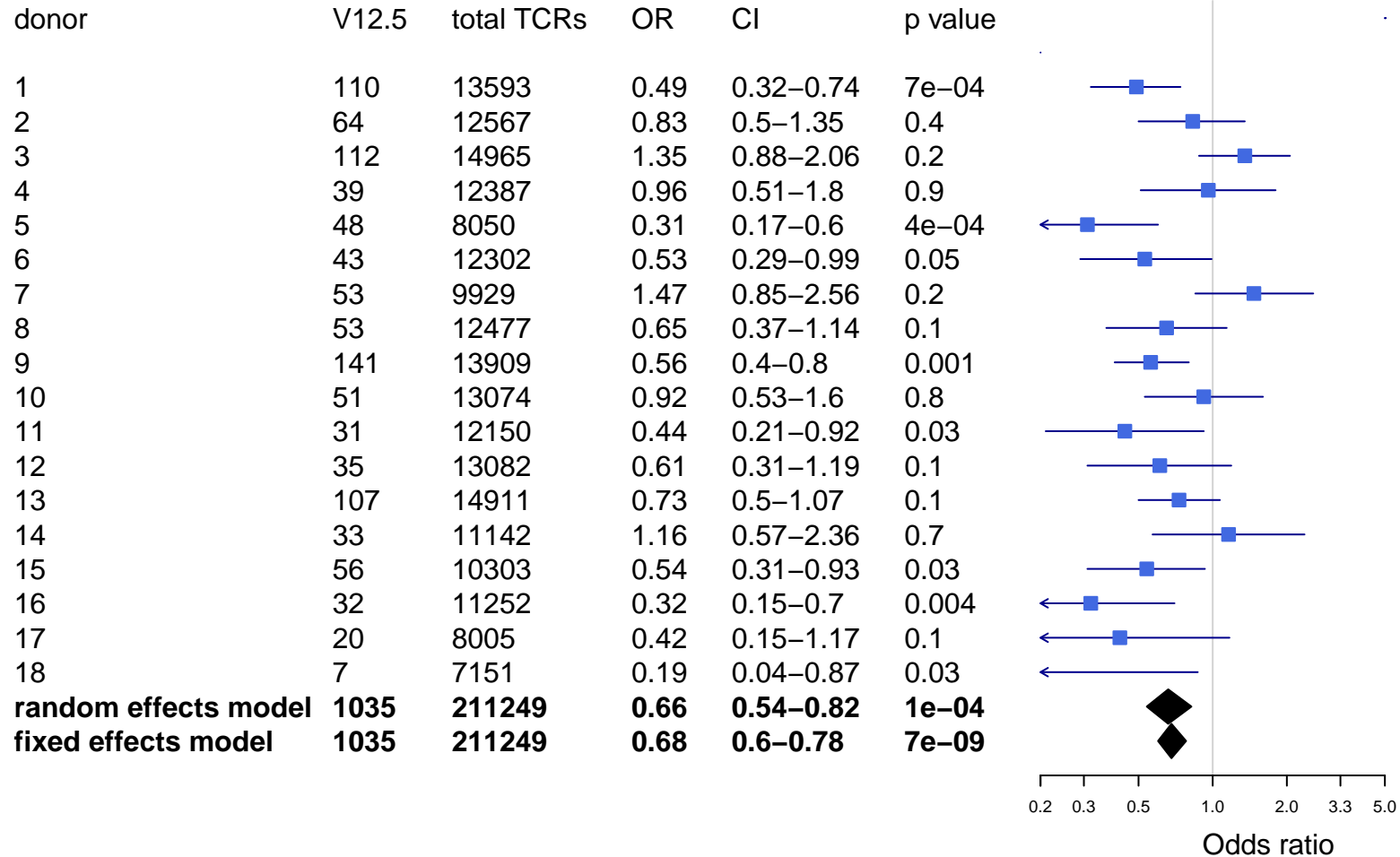


Propensity for Vbeta5.6

donor	V5.6	total TCRs	OR	CI	p value
1	354	13593	0.64	0.51–0.8	7e–05
2	261	12567	0.52	0.4–0.67	4e–07
3	314	14965	0.49	0.39–0.61	4e–10
4	283	12387	0.66	0.52–0.84	9e–04
5	211	8050	0.33	0.25–0.46	3e–12
6	332	12302	0.31	0.24–0.4	3e–20
7	227	9929	0.34	0.25–0.47	6e–12
8	213	12477	0.69	0.53–0.92	0.01
9	358	13909	0.65	0.52–0.81	1e–04
10	243	13074	0.67	0.52–0.87	0.003
11	212	12150	0.39	0.29–0.51	1e–10
12	164	13082	1.05	0.76–1.44	0.8
13	305	14911	0.93	0.74–1.17	0.5
14	185	11142	0.49	0.36–0.67	5e–06
15	208	10303	0.62	0.47–0.82	8e–04
16	212	11252	0.57	0.43–0.75	8e–05
17	139	8005	0.62	0.43–0.89	0.01
18	94	7151	0.7	0.44–1.11	0.1
random effects model	4315	211249	0.56	0.48–0.66	2e–13
fixed effects model	4315	211249	0.57	0.53–0.6	2e–68

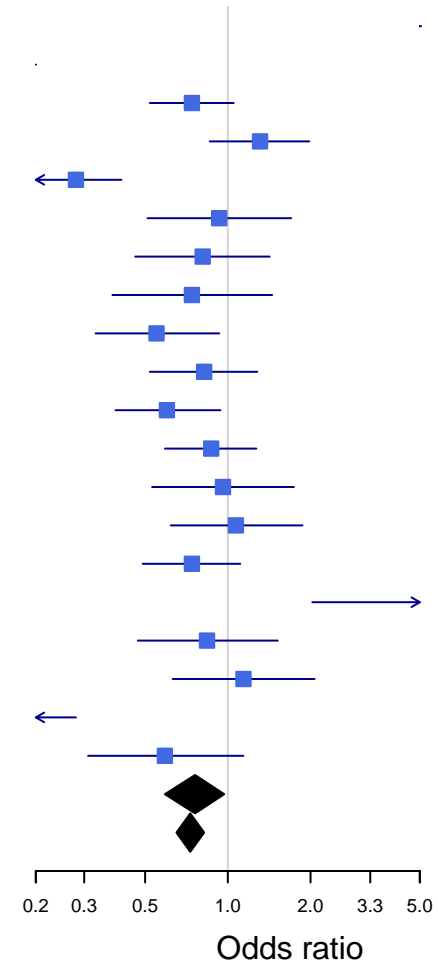


Propensity for Vbeta12.5



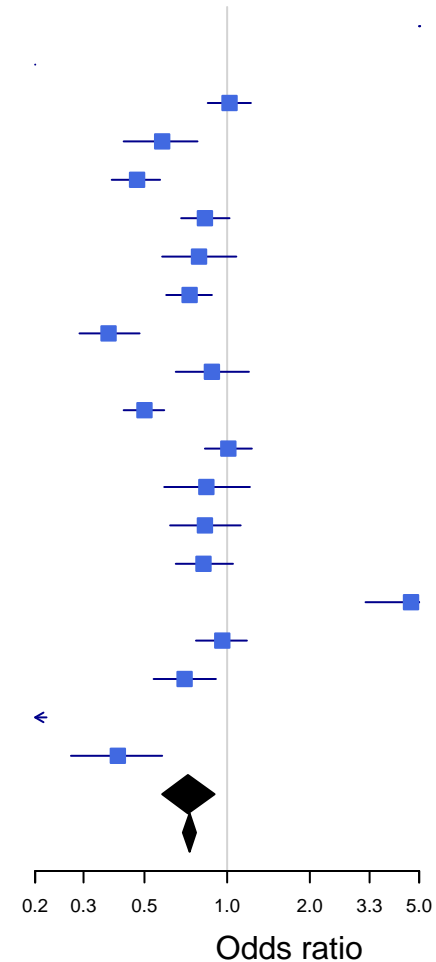
Propensity for Vbeta14

donor	V14	total TCRs	OR	CI	p value
1	139	13593	0.74	0.52–1.05	0.09
2	92	12567	1.31	0.86–1.98	0.2
3	122	14965	0.28	0.19–0.41	4e-11
4	44	12387	0.93	0.51–1.7	0.8
5	50	8050	0.81	0.46–1.42	0.5
6	36	12302	0.74	0.38–1.45	0.4
7	66	9929	0.55	0.33–0.93	0.02
8	80	12477	0.82	0.52–1.28	0.4
9	86	13909	0.6	0.39–0.94	0.02
10	110	13074	0.87	0.59–1.27	0.5
11	44	12150	0.96	0.53–1.74	0.9
12	52	13082	1.07	0.62–1.87	0.8
13	95	14911	0.74	0.49–1.11	0.1
14	33	11142	5.81	2.03–16.63	0.001
15	46	10303	0.84	0.47–1.52	0.6
16	45	11252	1.14	0.63–2.07	0.7
17	66	8005	0.12	0.05–0.28	8e-07
18	44	7151	0.59	0.31–1.14	0.1
random effects model	1250	211249	0.76	0.59–0.97	0.03
fixed effects model	1250	211249	0.73	0.65–0.82	2e-07



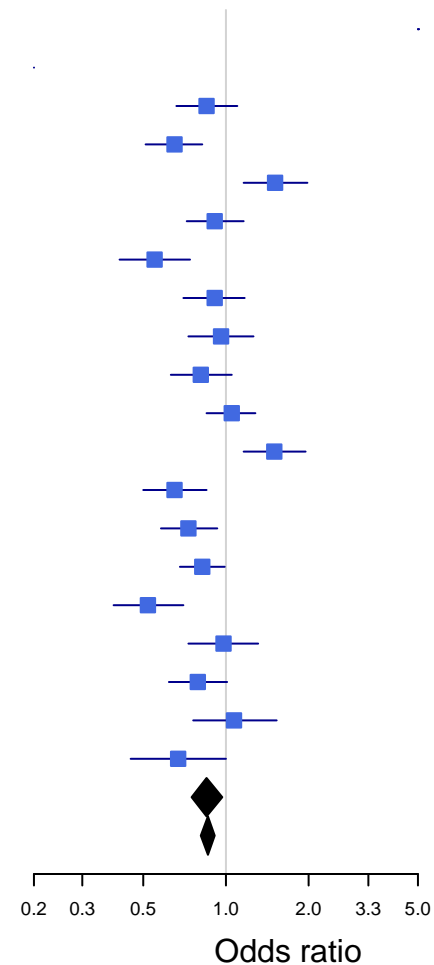
Propensity for Vbeta11.2

donor	V11.2	total TCRs	OR	CI	p value
1	496	13593	1.02	0.85–1.22	0.9
2	178	12567	0.58	0.42–0.78	4e-04
3	406	14965	0.47	0.38–0.57	9e-14
4	399	12387	0.83	0.68–1.02	0.07
5	166	8050	0.79	0.58–1.08	0.1
6	429	12302	0.73	0.6–0.88	0.001
7	309	9929	0.37	0.29–0.48	6e-14
8	171	12477	0.88	0.65–1.2	0.4
9	665	13909	0.5	0.42–0.59	2e-16
10	411	13074	1.01	0.83–1.23	0.9
11	120	12150	0.84	0.59–1.21	0.4
12	179	13082	0.83	0.62–1.12	0.2
13	271	14911	0.82	0.65–1.05	0.1
14	204	11142	4.67	3.19–6.84	2e-15
15	372	10303	0.96	0.77–1.18	0.7
16	226	11252	0.7	0.54–0.91	0.009
17	124	8005	0.12	0.06–0.22	2e-11
18	114	7151	0.4	0.27–0.58	3e-06
random effects model	5240	211249	0.72	0.58–0.9	0.003
fixed effects model	5240	211249	0.73	0.69–0.77	2e-26

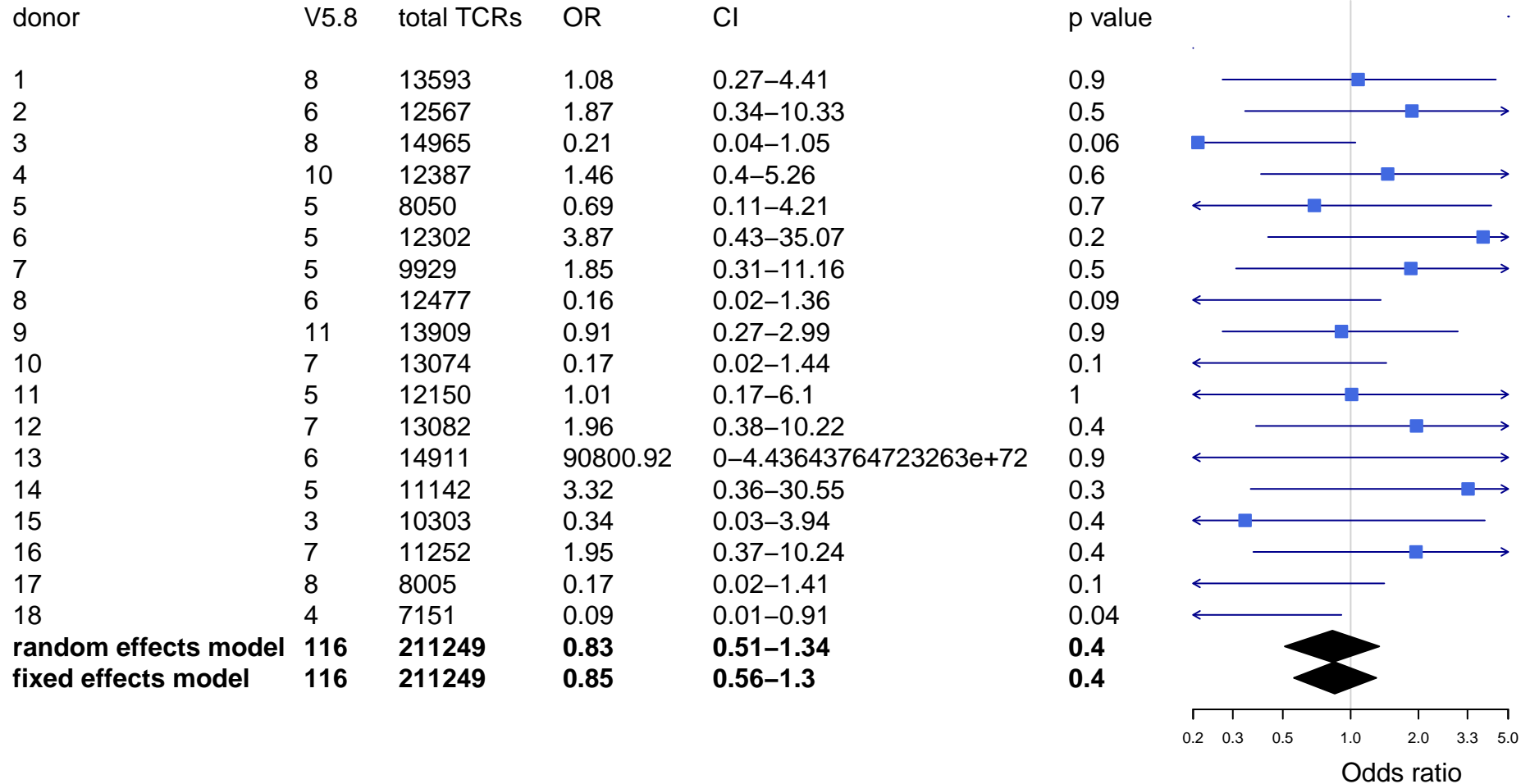


Propensity for Vbeta15

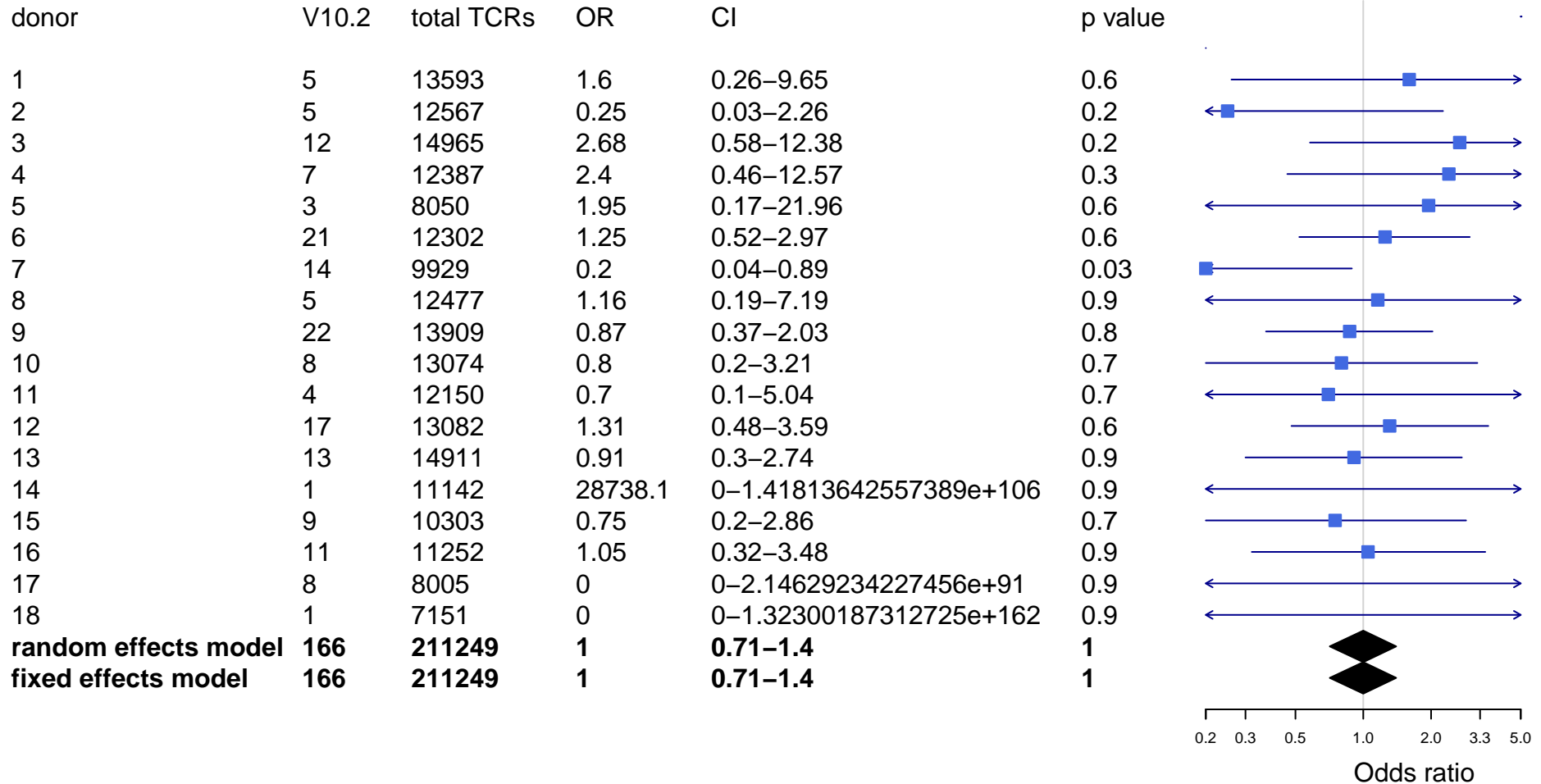
donor	V15	total TCRs	OR	CI	p value
1	259	13593	0.85	0.66–1.1	0.2
2	290	12567	0.65	0.51–0.82	4e–04
3	296	14965	1.51	1.16–1.98	0.002
4	282	12387	0.91	0.72–1.16	0.5
5	199	8050	0.55	0.41–0.74	6e–05
6	244	12302	0.91	0.7–1.17	0.5
7	219	9929	0.96	0.73–1.26	0.8
8	242	12477	0.81	0.63–1.05	0.1
9	384	13909	1.05	0.85–1.28	0.7
10	258	13074	1.5	1.16–1.95	0.002
11	225	12150	0.65	0.5–0.85	0.002
12	297	13082	0.73	0.58–0.93	0.009
13	470	14911	0.82	0.68–0.99	0.04
14	190	11142	0.52	0.39–0.7	2e–05
15	189	10303	0.98	0.73–1.31	0.9
16	271	11252	0.79	0.62–1.01	0.06
17	130	8005	1.07	0.76–1.53	0.7
18	125	7151	0.67	0.45–1	0.05
random effects model	4570	211249	0.85	0.75–0.97	0.02
fixed effects model	4570	211249	0.86	0.81–0.91	7e–07



Propensity for Vbeta5.8

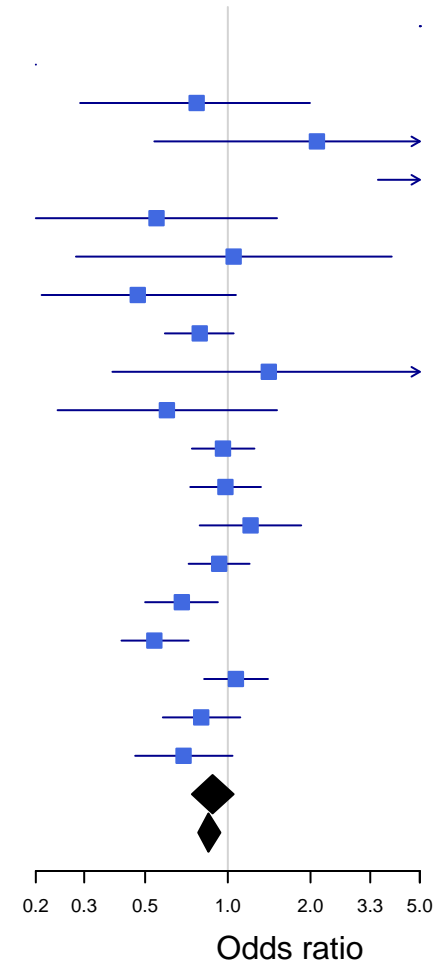


Propensity for Vbeta10.2



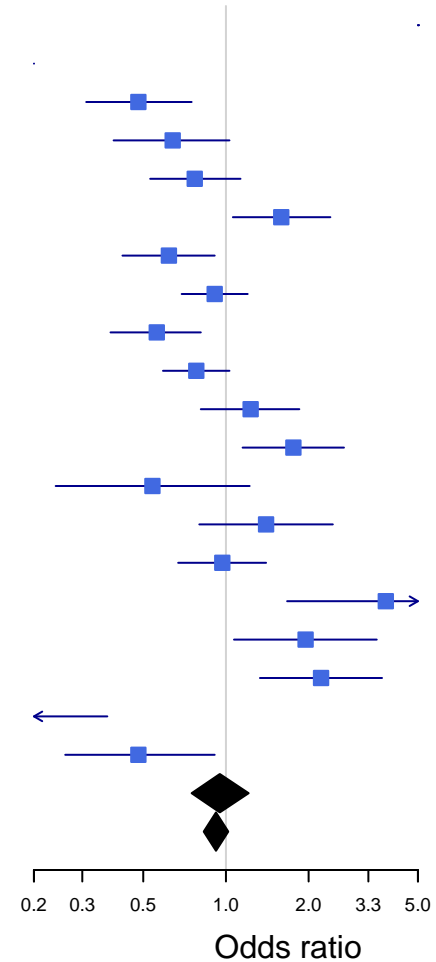
Propensity for Vbeta5.7

donor	V5.7	total TCRs	OR	CI	p value
1	18	13593	0.77	0.29–1.99	0.6
2	10	12567	2.11	0.54–8.22	0.3
3	77	14965	9.65	3.52–26.48	1e-05
4	17	12387	0.55	0.2–1.51	0.3
5	9	8050	1.05	0.28–3.95	0.9
6	25	12302	0.47	0.21–1.07	0.07
7	205	9929	0.79	0.59–1.05	0.1
8	9	12477	1.41	0.38–5.3	0.6
9	20	13909	0.6	0.24–1.51	0.3
10	226	13074	0.96	0.74–1.25	0.8
11	188	12150	0.98	0.73–1.32	0.9
12	93	13082	1.21	0.79–1.85	0.4
13	240	14911	0.93	0.72–1.2	0.6
14	172	11142	0.68	0.5–0.92	0.01
15	208	10303	0.54	0.41–0.72	2e-05
16	221	11252	1.07	0.82–1.4	0.6
17	158	8005	0.8	0.58–1.11	0.2
18	129	7151	0.69	0.46–1.04	0.08
random effects model	2025	211249	0.88	0.74–1.05	0.2
fixed effects model	2025	211249	0.85	0.78–0.94	8e-04



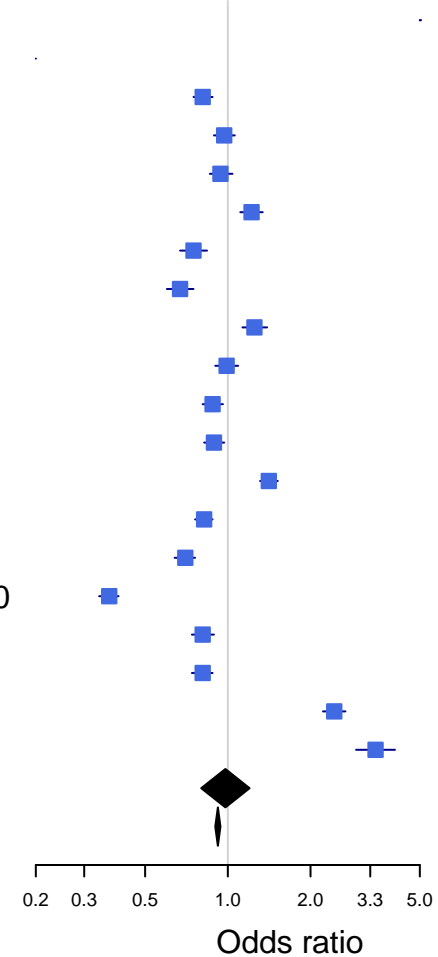
Propensity for Vbeta4.2

donor	V4.2	total TCRs	OR	CI	p value
1	101	13593	0.48	0.31–0.75	0.001
2	70	12567	0.64	0.39–1.03	0.07
3	113	14965	0.77	0.53–1.13	0.2
4	97	12387	1.59	1.06–2.4	0.03
5	112	8050	0.62	0.42–0.91	0.01
6	204	12302	0.91	0.69–1.2	0.5
7	121	9929	0.56	0.38–0.81	0.003
8	204	12477	0.78	0.59–1.03	0.08
9	93	13909	1.23	0.81–1.85	0.3
10	99	13074	1.76	1.15–2.69	0.009
11	24	12150	0.54	0.24–1.22	0.1
12	57	13082	1.4	0.8–2.45	0.2
13	119	14911	0.97	0.67–1.4	0.9
14	39	11142	3.82	1.67–8.74	0.001
15	53	10303	1.95	1.07–3.54	0.03
16	73	11252	2.22	1.33–3.7	0.002
17	26	8005	0.05	0.01–0.37	0.003
18	43	7151	0.48	0.26–0.91	0.02
random effects model	1648	211249	0.95	0.75–1.21	0.7
fixed effects model	1648	211249	0.92	0.83–1.02	0.1



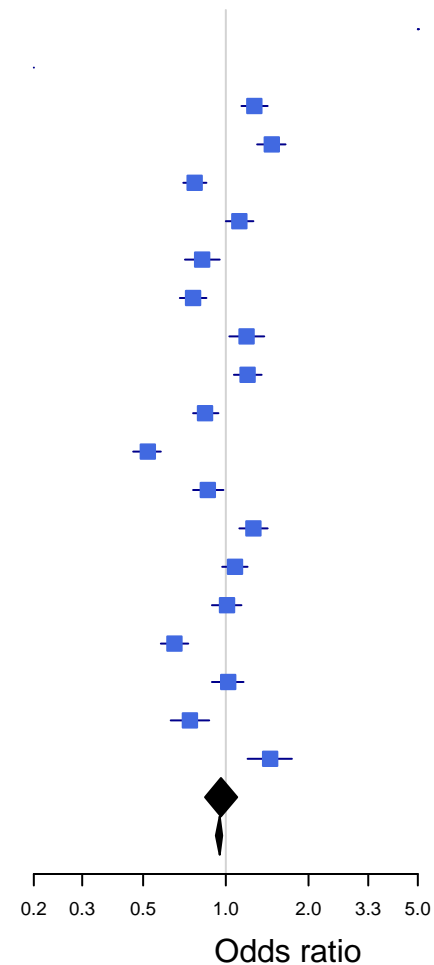
Propensity for Vbeta29.1

donor	V29.1	total TCRs	OR	CI	p value
1	3180	13593	0.81	0.75–0.88	4e-07
2	2755	12567	0.97	0.89–1.06	0.5
3	2319	14965	0.94	0.86–1.04	0.2
4	2009	12387	1.22	1.11–1.34	6e-05
5	1432	8050	0.75	0.67–0.84	1e-06
6	1503	12302	0.67	0.6–0.75	9e-13
7	1871	9929	1.25	1.13–1.39	2e-05
8	2141	12477	0.99	0.9–1.09	0.8
9	2599	13909	0.88	0.81–0.96	0.005
10	3063	13074	0.89	0.82–0.97	0.006
11	4612	12150	1.41	1.31–1.52	7e-19
12	4926	13082	0.82	0.76–0.88	1e-07
13	2575	14911	0.7	0.64–0.76	2e-16
14	4714	11142	0.37	0.34–0.4	<1e-100
15	2169	10303	0.81	0.74–0.89	2e-05
16	2973	11252	0.81	0.74–0.88	1e-06
17	2910	8005	2.44	2.22–2.68	7e-75
18	2105	7151	3.45	2.93–4.06	2e-49
random effects model	49856	211249	0.98	0.8–1.2	0.9
fixed effects model	49856	211249	0.92	0.9–0.94	4e-14



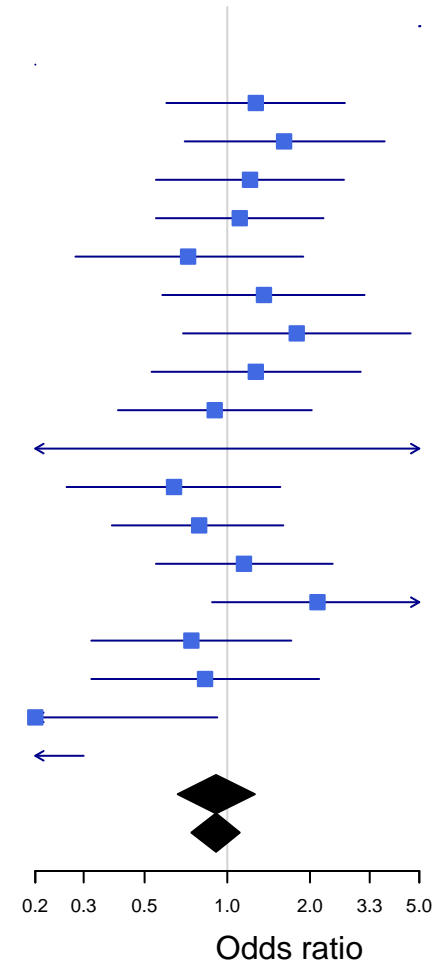
Propensity for Vbeta19

donor	V19	total TCRs	OR	CI	p value
1	1400	13593	1.27	1.14–1.42	3e-05
2	1306	12567	1.47	1.3–1.65	2e-10
3	2132	14965	0.77	0.7–0.85	7e-08
4	1245	12387	1.12	1–1.26	0.06
5	820	8050	0.82	0.71–0.95	0.007
6	1406	12302	0.76	0.68–0.85	2e-06
7	840	9929	1.19	1.03–1.38	0.02
8	1324	12477	1.2	1.07–1.35	0.002
9	1552	13909	0.84	0.76–0.94	0.002
10	1437	13074	0.52	0.46–0.58	1e-29
11	1095	12150	0.86	0.76–0.98	0.02
12	1382	13082	1.26	1.12–1.42	9e-05
13	1683	14911	1.08	0.97–1.2	0.2
14	1163	11142	1.01	0.89–1.14	0.9
15	1556	10303	0.65	0.58–0.73	3e-14
16	1004	11252	1.02	0.89–1.16	0.8
17	726	8005	0.74	0.63–0.87	2e-04
18	1027	7151	1.45	1.2–1.74	8e-05
random effects model	23098	211249	0.96	0.84–1.1	0.6
fixed effects model	23098	211249	0.95	0.92–0.97	1e-04



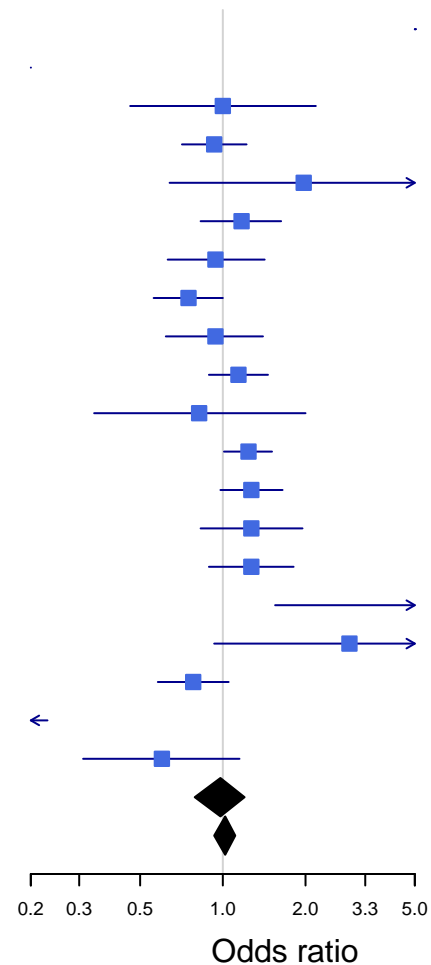
Propensity for Vbeta6.4

donor	V6.4	total TCRs	OR	CI	p value
1	28	13593	1.27	0.6–2.68	0.5
2	23	12567	1.61	0.7–3.74	0.3
3	30	14965	1.21	0.55–2.66	0.6
4	32	12387	1.11	0.55–2.24	0.8
5	17	8050	0.72	0.28–1.89	0.5
6	23	12302	1.36	0.58–3.16	0.5
7	18	9929	1.79	0.69–4.65	0.2
8	21	12477	1.27	0.53–3.06	0.6
9	24	13909	0.9	0.4–2.03	0.8
10	13	13074	258158.58	0–1.73316717105453e+81	0.9
11	20	12150	0.64	0.26–1.56	0.3
12	31	13082	0.79	0.38–1.6	0.5
13	29	14911	1.15	0.55–2.42	0.7
14	25	11142	2.13	0.88–5.17	0.09
15	23	10303	0.74	0.32–1.71	0.5
16	17	11252	0.83	0.32–2.16	0.7
17	14	8005	0.2	0.05–0.92	0.04
18	33	7151	0.14	0.07–0.3	1e–07
random effects model	421	211249	0.91	0.66–1.26	0.6
fixed effects model	421	211249	0.91	0.74–1.11	0.3



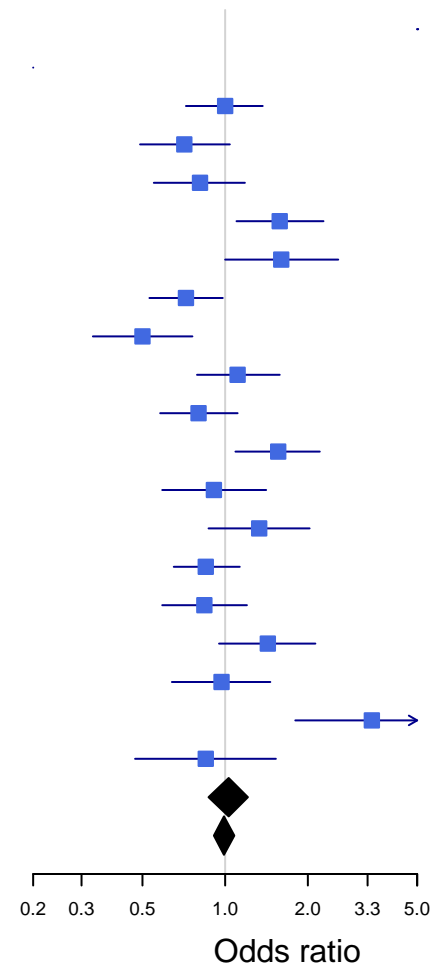
Propensity for Vbeta28

donor	V28	total TCRs	OR	CI	p value
1	26	13593	1	0.46–2.18	1
2	212	12567	0.93	0.71–1.22	0.6
3	18	14965	1.97	0.64–6.05	0.2
4	140	12387	1.17	0.83–1.63	0.4
5	96	8050	0.94	0.63–1.42	0.8
6	192	12302	0.75	0.56–1	0.05
7	98	9929	0.94	0.62–1.4	0.7
8	258	12477	1.14	0.89–1.46	0.3
9	20	13909	0.82	0.34–2	0.7
10	422	13074	1.24	1.01–1.51	0.04
11	242	12150	1.27	0.98–1.65	0.08
12	92	13082	1.27	0.83–1.95	0.3
13	132	14911	1.27	0.89–1.81	0.2
14	22	11142	5.29	1.55–18.02	0.008
15	16	10303	2.89	0.93–9.02	0.07
16	183	11252	0.78	0.58–1.05	0.1
17	135	8005	0.13	0.07–0.23	4e-12
18	45	7151	0.6	0.31–1.15	0.1
random effects model	2349	211249	0.98	0.79–1.2	0.8
fixed effects model	2349	211249	1.02	0.93–1.11	0.7



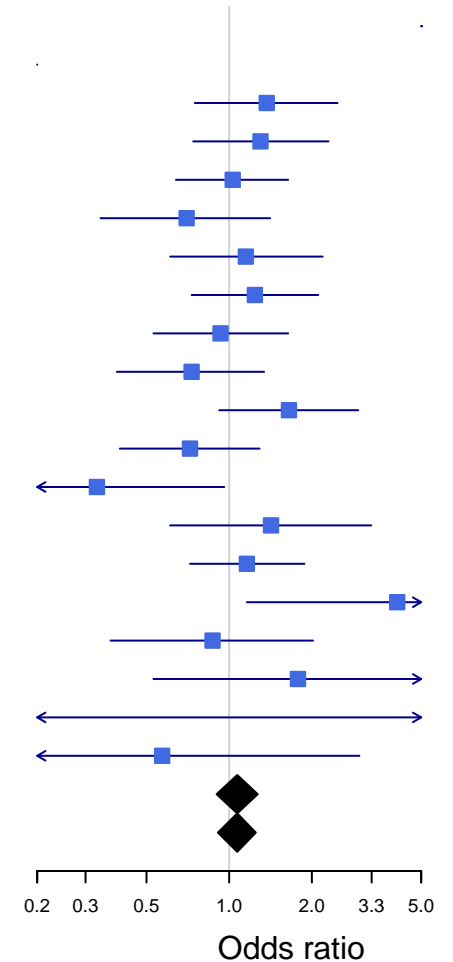
Propensity for Vbeta11.1

donor	V11.1	total TCRs	OR	CI	p value
1	155	13593	1	0.72–1.37	1
2	114	12567	0.71	0.49–1.04	0.08
3	114	14965	0.81	0.55–1.18	0.3
4	123	12387	1.58	1.1–2.28	0.01
5	75	8050	1.6	1–2.58	0.05
6	168	12302	0.72	0.53–0.98	0.04
7	104	9929	0.5	0.33–0.76	0.001
8	134	12477	1.11	0.79–1.58	0.5
9	149	13909	0.8	0.58–1.11	0.2
10	137	13074	1.56	1.09–2.21	0.01
11	82	12150	0.91	0.59–1.41	0.7
12	94	13082	1.33	0.87–2.03	0.2
13	204	14911	0.85	0.65–1.13	0.3
14	128	11142	0.84	0.59–1.2	0.3
15	102	10303	1.43	0.95–2.13	0.08
16	93	11252	0.97	0.64–1.46	0.9
17	49	8005	3.42	1.8–6.49	2e-04
18	62	7151	0.85	0.47–1.53	0.6
random effects model	2087	211249	1.03	0.87–1.21	0.8
fixed effects model	2087	211249	0.99	0.91–1.08	0.8



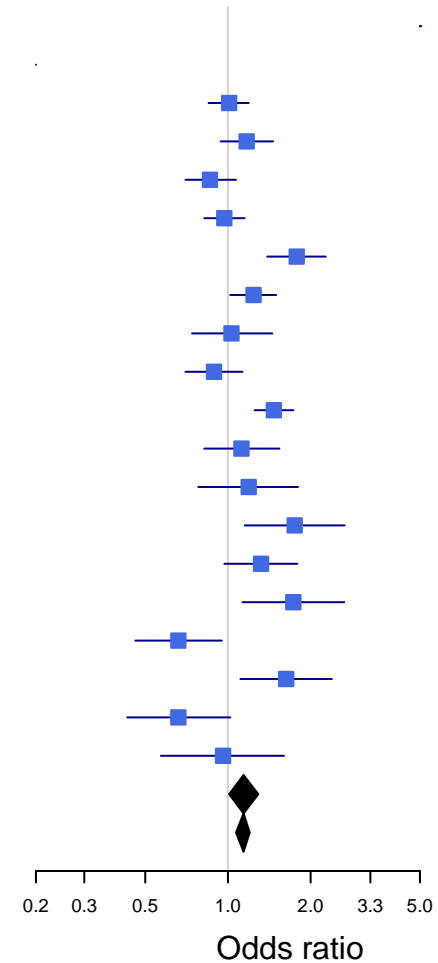
Propensity for Vbeta6.9

donor	V6.9	total TCRs	OR	CI	p value
1	44	13593	1.37	0.75–2.48	0.3
2	50	12567	1.3	0.74–2.3	0.4
3	81	14965	1.03	0.64–1.64	0.9
4	32	12387	0.7	0.34–1.41	0.3
5	39	8050	1.15	0.61–2.19	0.7
6	57	12302	1.24	0.73–2.11	0.4
7	50	9929	0.93	0.53–1.64	0.8
8	43	12477	0.73	0.39–1.34	0.3
9	48	13909	1.65	0.92–2.95	0.09
10	47	13074	0.72	0.4–1.29	0.3
11	16	12150	0.33	0.11–0.96	0.04
12	26	13082	1.42	0.61–3.29	0.4
13	70	14911	1.16	0.72–1.88	0.5
14	17	11142	4.09	1.16–14.35	0.03
15	22	10303	0.87	0.37–2.02	0.7
16	12	11252	1.78	0.53–5.98	0.4
17	3	8005	157668.69	0–6.46557105627354e+101	0.9
18	7	7151	0.57	0.11–2.98	0.5
random effects model	664	211249	1.07	0.9–1.27	0.5
fixed effects model	664	211249	1.07	0.91–1.25	0.4



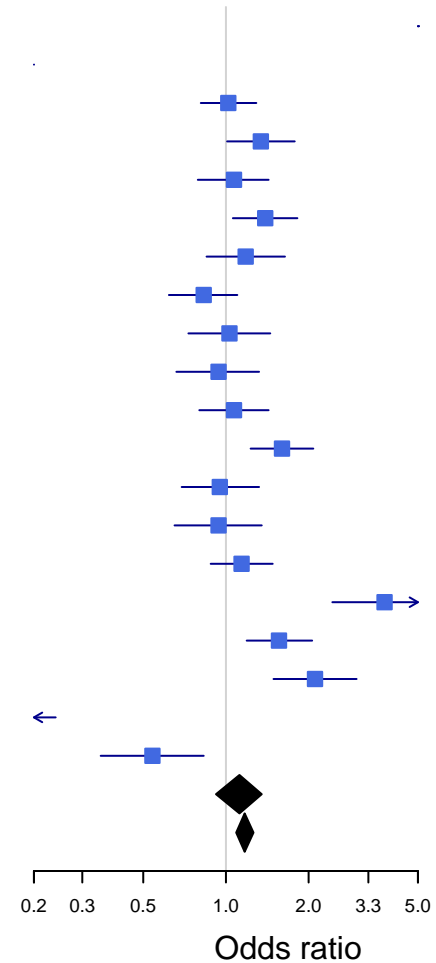
Propensity for Vbeta5.5

donor	V5.5	total TCRs	OR	CI	p value
1	618	13593	1.01	0.85–1.19	0.9
2	322	12567	1.17	0.94–1.46	0.2
3	382	14965	0.86	0.7–1.07	0.2
4	593	12387	0.97	0.82–1.15	0.7
5	301	8050	1.78	1.39–2.27	4e–06
6	449	12302	1.24	1.02–1.5	0.03
7	142	9929	1.03	0.74–1.45	0.8
8	290	12477	0.89	0.7–1.13	0.3
9	617	13909	1.47	1.25–1.73	4e–06
10	161	13074	1.12	0.82–1.54	0.5
11	94	12150	1.19	0.78–1.8	0.4
12	108	13082	1.75	1.15–2.66	0.009
13	180	14911	1.32	0.97–1.79	0.07
14	101	11142	1.73	1.13–2.65	0.01
15	123	10303	0.66	0.46–0.95	0.03
16	117	11252	1.63	1.11–2.39	0.01
17	94	8005	0.66	0.43–1.02	0.06
18	90	7151	0.96	0.57–1.6	0.9
random effects model	4782	211249	1.14	1.01–1.29	0.04
fixed effects model	4782	211249	1.14	1.07–1.2	3e–05

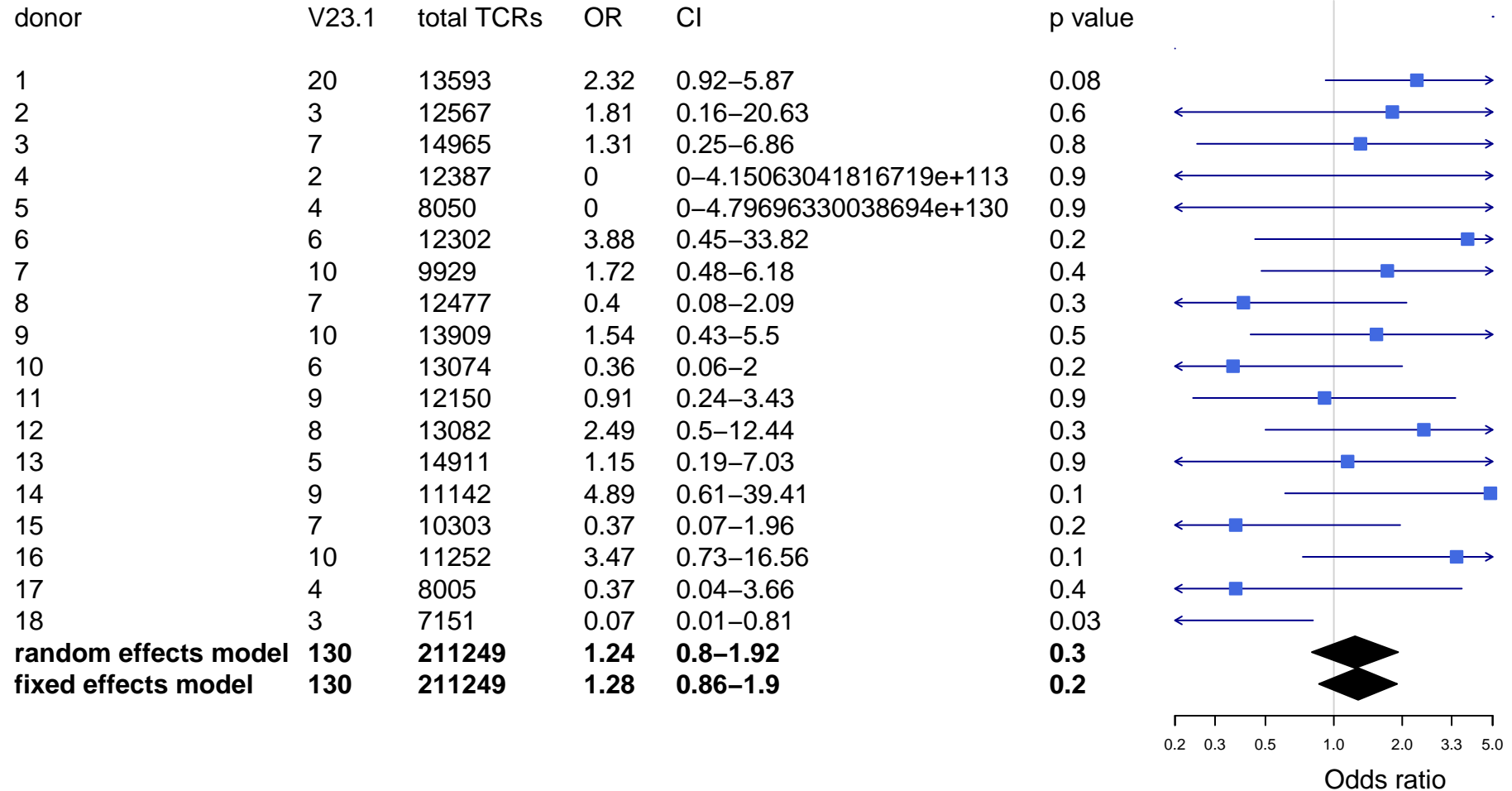


Propensity for Vbeta2

donor	V2	total TCRs	OR	CI	p value
1	309	13593	1.02	0.81–1.29	0.8
2	201	12567	1.34	1.01–1.78	0.05
3	202	14965	1.07	0.79–1.43	0.7
4	227	12387	1.39	1.06–1.82	0.02
5	150	8050	1.18	0.85–1.64	0.3
6	195	12302	0.83	0.62–1.1	0.2
7	136	9929	1.03	0.73–1.45	0.9
8	133	12477	0.94	0.66–1.32	0.7
9	189	13909	1.07	0.8–1.43	0.6
10	254	13074	1.6	1.23–2.08	5e-04
11	151	12150	0.95	0.69–1.32	0.8
12	123	13082	0.94	0.65–1.35	0.7
13	248	14911	1.14	0.88–1.48	0.3
14	145	11142	3.78	2.44–5.85	2e-09
15	230	10303	1.56	1.19–2.06	0.001
16	158	11252	2.11	1.49–2.99	2e-05
17	72	8005	0.1	0.04–0.24	1e-07
18	102	7151	0.54	0.35–0.83	0.004
random effects model	3225	211249	1.12	0.92–1.35	0.3
fixed effects model	3225	211249	1.17	1.09–1.26	2e-05

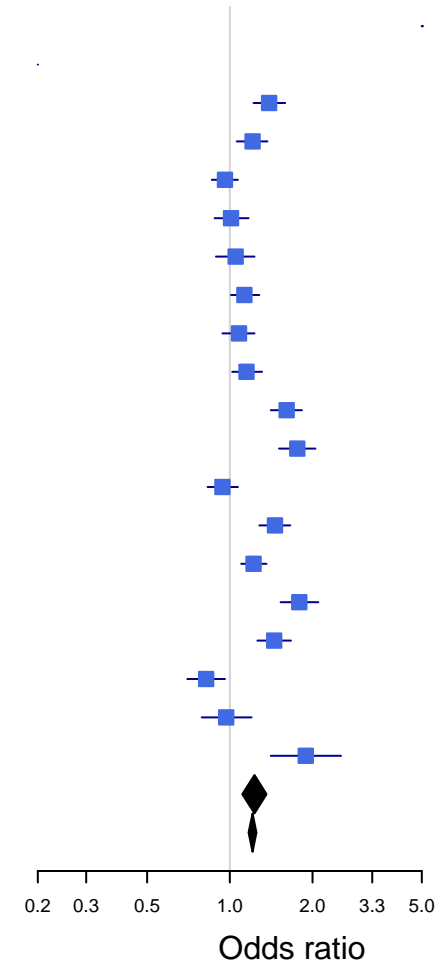


Propensity for Vbeta23.1



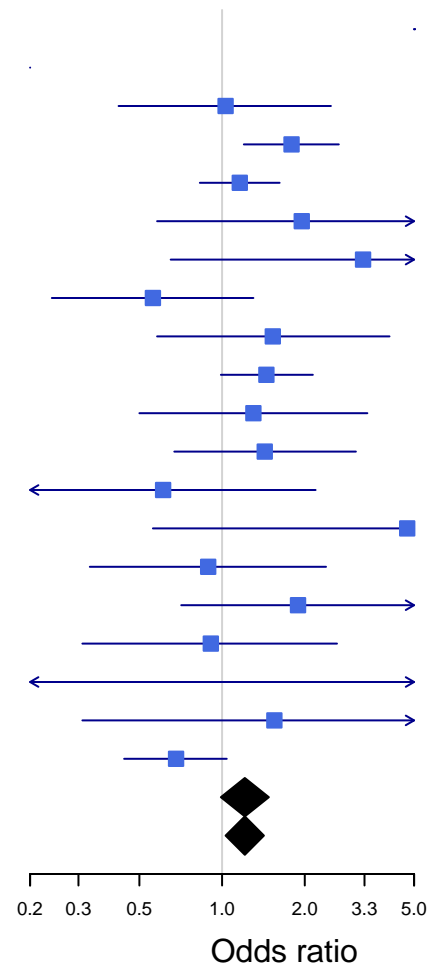
Propensity for Vbeta6.5

donor	V6.5	total TCRs	OR	CI	p value
1	944	13593	1.39	1.22–1.59	1e-06
2	1038	12567	1.21	1.06–1.37	0.004
3	1655	14965	0.96	0.86–1.07	0.4
4	822	12387	1.01	0.88–1.17	0.9
5	640	8050	1.05	0.89–1.23	0.6
6	1281	12302	1.13	1.01–1.28	0.03
7	946	9929	1.08	0.94–1.23	0.3
8	1072	12477	1.15	1.02–1.31	0.03
9	990	13909	1.61	1.41–1.83	2e-12
10	800	13074	1.76	1.51–2.05	5e-13
11	1092	12150	0.94	0.83–1.07	0.4
12	1141	13082	1.46	1.28–1.66	9e-09
13	1581	14911	1.22	1.1–1.36	3e-04
14	786	11142	1.79	1.53–2.1	4e-13
15	951	10303	1.45	1.26–1.67	1e-07
16	643	11252	0.82	0.7–0.96	0.02
17	372	8005	0.97	0.79–1.2	0.8
18	456	7151	1.89	1.41–2.54	2e-05
random effects model	17210	211249	1.23	1.11–1.36	8e-05
fixed effects model	17210	211249	1.21	1.17–1.25	3e-30



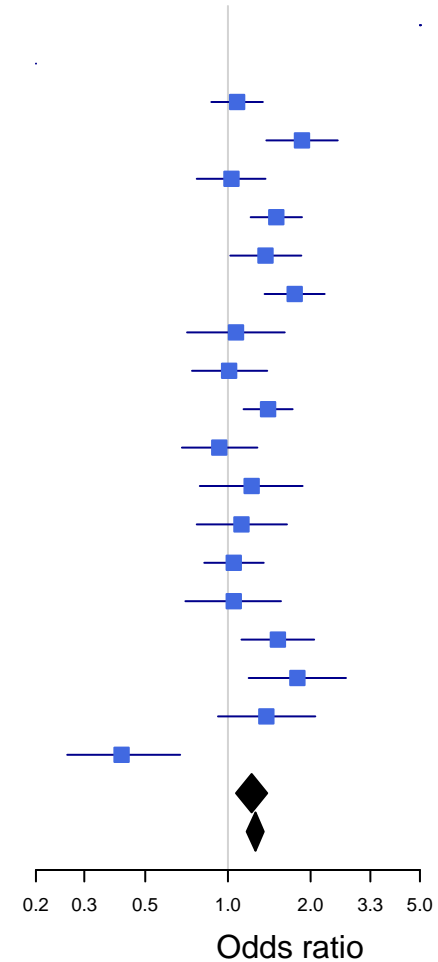
Propensity for Vbeta11.3

donor	V11.3	total TCRs	OR	CI	p value
1	20	13593	1.03	0.42–2.49	1
2	108	12567	1.79	1.2–2.66	0.004
3	167	14965	1.16	0.83–1.62	0.4
4	12	12387	1.95	0.58–6.59	0.3
5	8	8050	3.26	0.65–16.35	0.2
6	23	12302	0.56	0.24–1.3	0.2
7	17	9929	1.53	0.58–4.07	0.4
8	110	12477	1.45	0.99–2.14	0.06
9	17	13909	1.3	0.5–3.38	0.6
10	28	13074	1.43	0.67–3.07	0.4
11	10	12150	0.61	0.17–2.19	0.5
12	7	13082	4.72	0.56–39.63	0.2
13	16	14911	0.89	0.33–2.39	0.8
14	19	11142	1.89	0.71–5.02	0.2
15	14	10303	0.91	0.31–2.62	0.9
16	6	11252	235622.57	0–2.55225290376919e+116	0.9
17	6	8005	1.55	0.31–7.69	0.6
18	106	7151	0.68	0.44–1.04	0.08
random effects model	694	211249	1.21	0.99–1.48	0.07
fixed effects model	694	211249	1.21	1.03–1.42	0.02

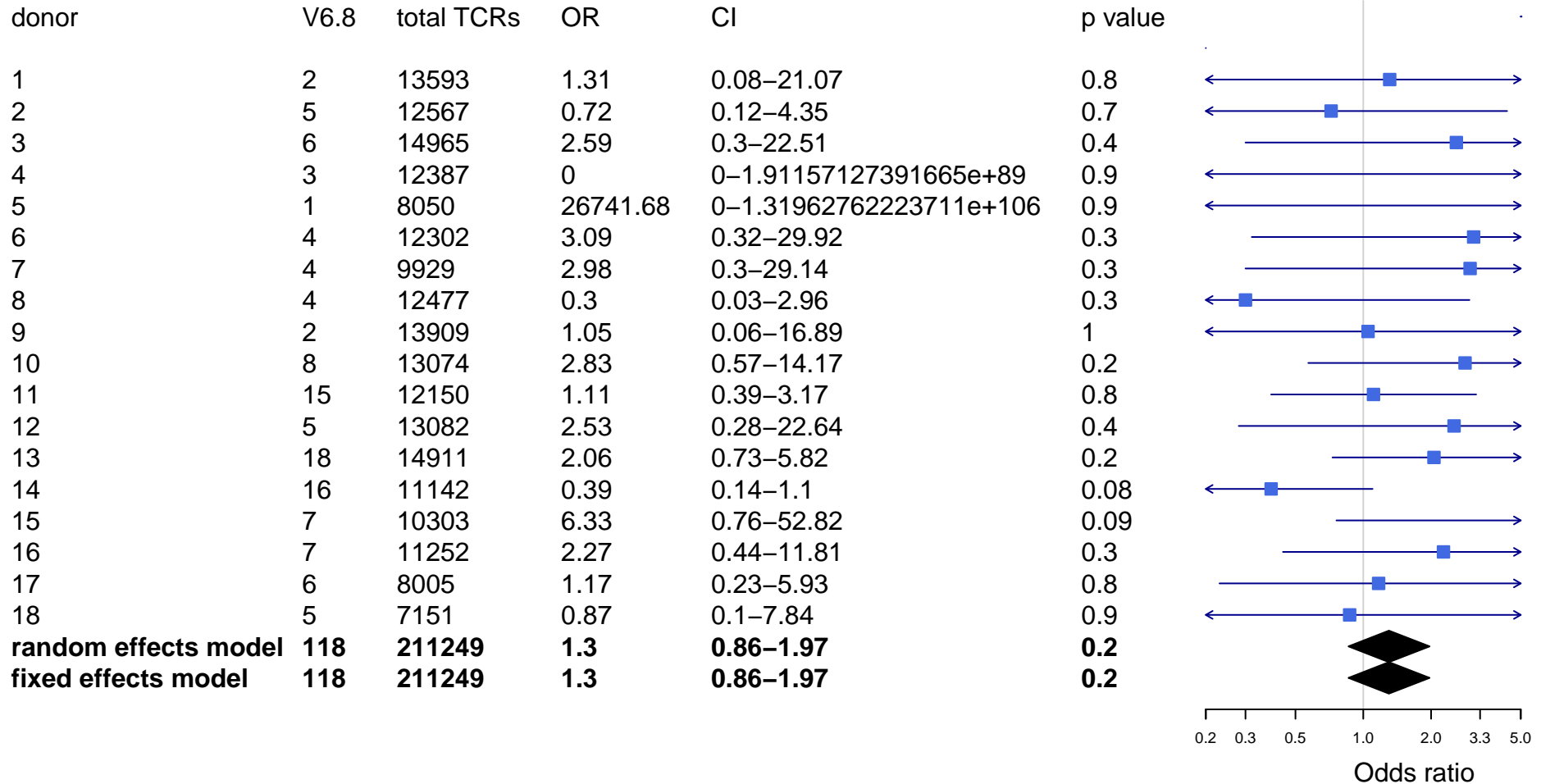


Propensity for Vbeta6.1

donor	V6.1	total TCRs	OR	CI	p value
1	340	13593	1.08	0.87–1.34	0.5
2	197	12567	1.86	1.38–2.51	5e–05
3	210	14965	1.03	0.77–1.37	0.9
4	364	12387	1.5	1.21–1.86	2e–04
5	189	8050	1.37	1.02–1.85	0.04
6	281	12302	1.75	1.36–2.25	1e–05
7	95	9929	1.07	0.71–1.61	0.8
8	163	12477	1.01	0.74–1.39	0.9
9	386	13909	1.4	1.14–1.72	0.001
10	156	13074	0.93	0.68–1.28	0.7
11	91	12150	1.22	0.79–1.87	0.4
12	115	13082	1.12	0.77–1.64	0.6
13	264	14911	1.05	0.82–1.35	0.7
14	101	11142	1.05	0.7–1.56	0.8
15	182	10303	1.52	1.12–2.06	0.008
16	109	11252	1.79	1.19–2.69	0.005
17	96	8005	1.38	0.92–2.08	0.1
18	74	7151	0.41	0.26–0.67	4e–04
random effects model	3413	211249	1.22	1.07–1.39	0.003
fixed effects model	3413	211249	1.26	1.17–1.35	1e–10

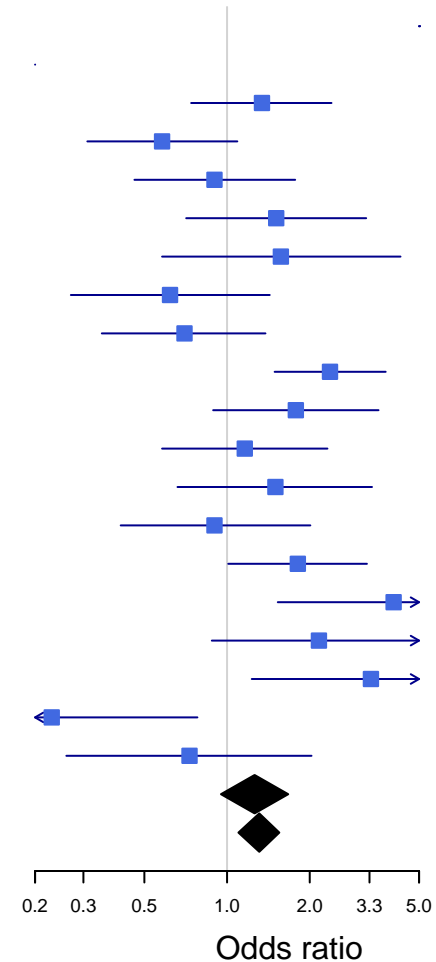


Propensity for Vbeta6.8



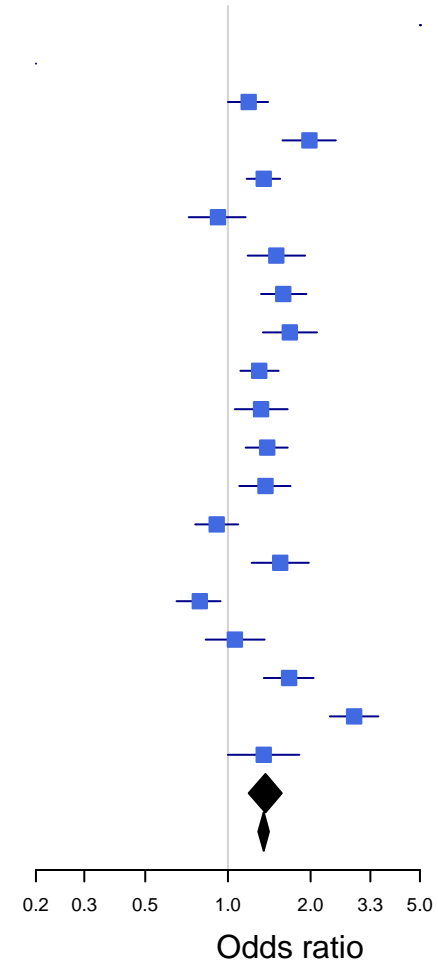
Propensity for Vbeta25.1

donor	V25.1	total TCRs	OR	CI	p value
1	46	13593	1.34	0.74–2.4	0.3
2	41	12567	0.58	0.31–1.09	0.09
3	37	14965	0.9	0.46–1.77	0.8
4	28	12387	1.51	0.71–3.21	0.3
5	17	8050	1.57	0.58–4.28	0.4
6	23	12302	0.62	0.27–1.43	0.3
7	35	9929	0.7	0.35–1.38	0.3
8	91	12477	2.37	1.49–3.78	3e-04
9	34	13909	1.78	0.89–3.56	0.1
10	33	13074	1.16	0.58–2.32	0.7
11	26	12150	1.5	0.66–3.37	0.3
12	25	13082	0.9	0.41–2.01	0.8
13	53	14911	1.81	1.01–3.23	0.05
14	29	11142	4.04	1.53–10.68	0.005
15	23	10303	2.16	0.88–5.29	0.09
16	23	11252	3.34	1.23–9.05	0.02
17	20	8005	0.23	0.07–0.78	0.02
18	20	7151	0.73	0.26–2.03	0.5
random effects model	604	211249	1.26	0.95–1.67	0.1
fixed effects model	604	211249	1.31	1.1–1.55	0.002

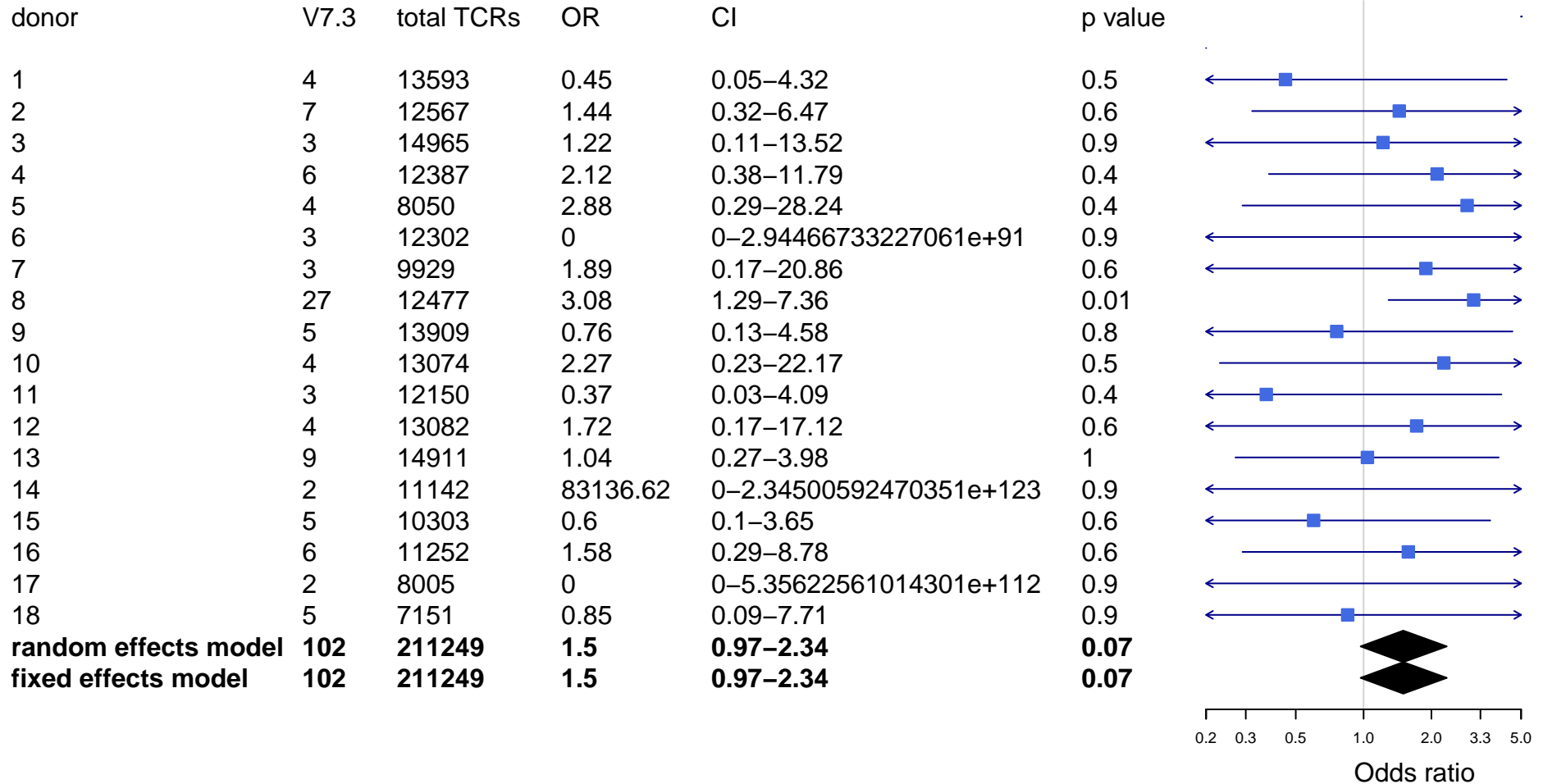


Propensity for Vbeta6.2

donor	V6.2	total TCRs	OR	CI	p value
1	574	13593	1.19	1–1.4	0.05
2	365	12567	1.98	1.58–2.47	2e–09
3	1018	14965	1.35	1.17–1.55	4e–05
4	290	12387	0.92	0.72–1.16	0.5
5	297	8050	1.5	1.18–1.91	9e–04
6	476	12302	1.59	1.32–1.93	2e–06
7	332	9929	1.68	1.34–2.11	7e–06
8	671	12477	1.3	1.11–1.53	0.001
9	325	13909	1.32	1.06–1.65	0.01
10	564	13074	1.39	1.16–1.65	2e–04
11	384	12150	1.37	1.1–1.69	0.004
12	506	13082	0.91	0.76–1.09	0.3
13	305	14911	1.55	1.22–1.97	3e–04
14	492	11142	0.79	0.65–0.94	0.01
15	262	10303	1.06	0.83–1.36	0.6
16	414	11252	1.67	1.35–2.05	1e–06
17	456	8005	2.88	2.35–3.53	2e–24
18	337	7151	1.35	1–1.82	0.05
random effects model	8068	211249	1.37	1.19–1.57	9e–06
fixed effects model	8068	211249	1.35	1.29–1.41	5e–36

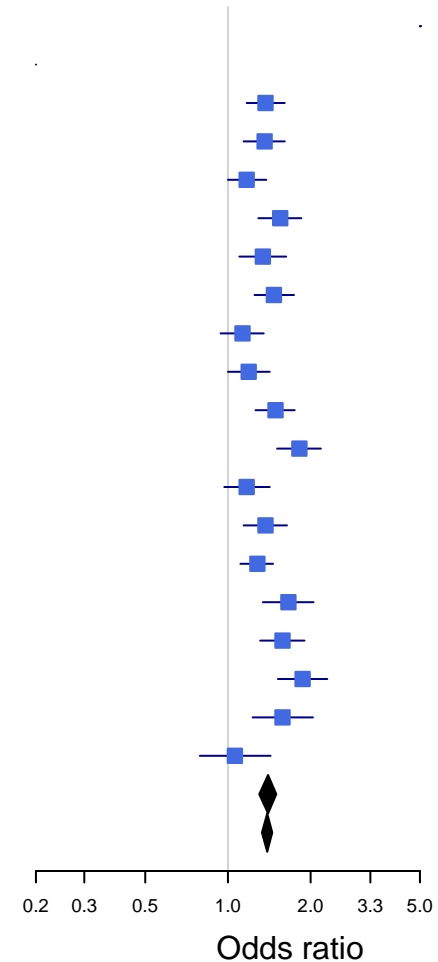


Propensity for Vbeta7.3



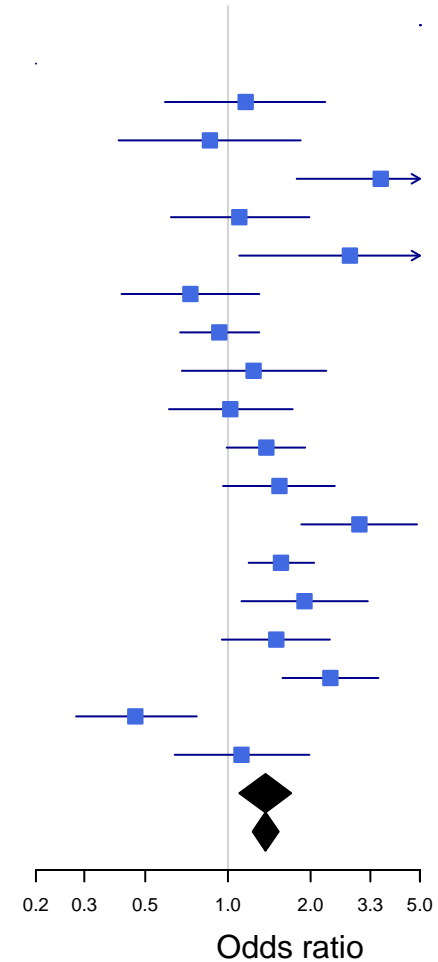
Propensity for Vbeta6.6

donor	V6.6	total TCRs	OR	CI	p value
1	639	13593	1.37	1.17–1.61	1e–04
2	555	12567	1.36	1.14–1.61	6e–04
3	735	14965	1.17	1–1.38	0.06
4	528	12387	1.55	1.29–1.85	2e–06
5	447	8050	1.34	1.1–1.63	0.004
6	646	12302	1.47	1.25–1.74	4e–06
7	484	9929	1.13	0.94–1.35	0.2
8	557	12477	1.19	1–1.42	0.05
9	630	13909	1.49	1.26–1.75	2e–06
10	558	13074	1.82	1.51–2.18	1e–10
11	464	12150	1.17	0.97–1.42	0.1
12	554	13082	1.37	1.14–1.64	7e–04
13	927	14911	1.28	1.11–1.46	5e–04
14	406	11142	1.66	1.34–2.05	3e–06
15	520	10303	1.58	1.31–1.9	1e–06
16	436	11252	1.87	1.52–2.3	2e–09
17	253	8005	1.58	1.23–2.04	4e–04
18	295	7151	1.06	0.79–1.43	0.7
random effects model	9634	211249	1.4	1.3–1.5	1e–20
fixed effects model	9634	211249	1.39	1.33–1.45	2e–51



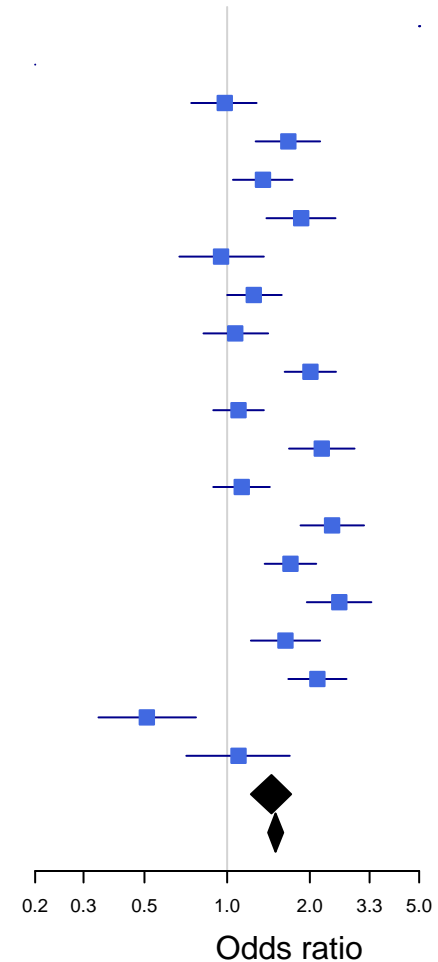
Propensity for Vbeta5.4

donor	V5.4	total TCRs	OR	CI	p value
1	35	13593	1.16	0.59–2.26	0.7
2	27	12567	0.86	0.4–1.84	0.7
3	70	14965	3.6	1.78–7.27	4e-04
4	47	12387	1.1	0.62–1.98	0.7
5	25	8050	2.78	1.1–7	0.03
6	47	12302	0.73	0.41–1.3	0.3
7	144	9929	0.93	0.67–1.3	0.7
8	43	12477	1.24	0.68–2.28	0.5
9	58	13909	1.02	0.61–1.72	0.9
10	159	13074	1.38	0.99–1.91	0.05
11	80	12150	1.54	0.96–2.45	0.07
12	103	13082	3.01	1.85–4.88	8e-06
13	232	14911	1.56	1.19–2.06	0.001
14	66	11142	1.9	1.12–3.23	0.02
15	82	10303	1.5	0.95–2.35	0.08
16	125	11252	2.36	1.58–3.53	3e-05
17	74	8005	0.46	0.28–0.77	0.003
18	80	7151	1.12	0.64–1.98	0.7
random effects model	1497	211249	1.37	1.1–1.7	0.005
fixed effects model	1497	211249	1.37	1.23–1.53	2e-08



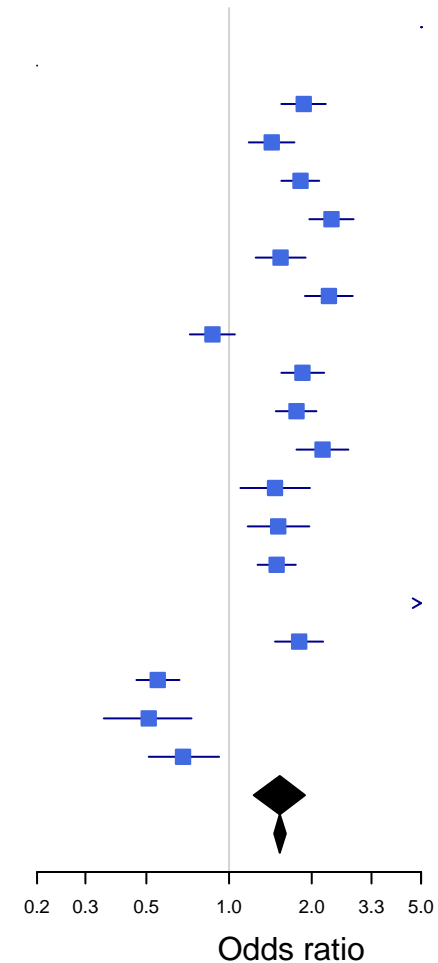
Propensity for Vbeta10.3

donor	V10.3	total TCRs	OR	CI	p value
1	215	13593	0.98	0.74–1.28	0.9
2	236	12567	1.67	1.27–2.18	2e-04
3	315	14965	1.35	1.05–1.73	0.02
4	206	12387	1.86	1.39–2.48	3e-05
5	126	8050	0.95	0.67–1.36	0.8
6	307	12302	1.25	1–1.58	0.06
7	216	9929	1.07	0.82–1.41	0.6
8	395	12477	2.01	1.62–2.49	2e-10
9	351	13909	1.1	0.89–1.36	0.4
10	256	13074	2.21	1.68–2.91	2e-08
11	288	12150	1.13	0.89–1.43	0.3
12	313	13082	2.41	1.85–3.15	7e-11
13	391	14911	1.7	1.37–2.11	1e-06
14	293	11142	2.56	1.95–3.35	1e-11
15	208	10303	1.63	1.22–2.18	9e-04
16	324	11252	2.13	1.67–2.72	1e-09
17	113	8005	0.51	0.34–0.77	0.001
18	141	7151	1.1	0.71–1.69	0.7
random effects model	4694	211249	1.45	1.22–1.71	2e-05
fixed effects model	4694	211249	1.5	1.41–1.6	1e-37



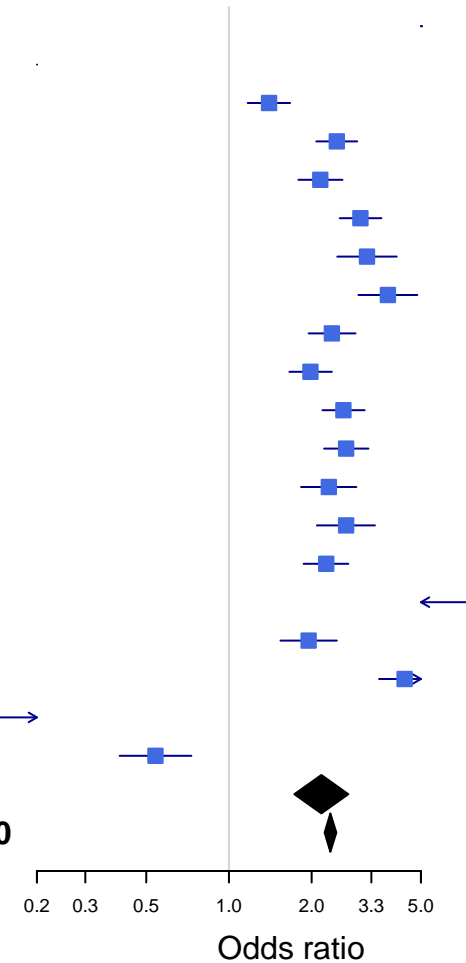
Propensity for Vbeta12.3

donor	V12.3	total TCRs	OR	CI	p value
1	486	13593	1.87	1.55–2.25	5e-11
2	451	12567	1.43	1.18–1.73	3e-04
3	907	14965	1.82	1.55–2.13	3e-13
4	566	12387	2.36	1.96–2.84	6e-20
5	411	8050	1.54	1.25–1.9	4e-05
6	496	12302	2.31	1.89–2.82	2e-16
7	468	9929	0.87	0.72–1.05	0.2
8	565	12477	1.85	1.55–2.22	2e-11
9	598	13909	1.76	1.48–2.08	6e-11
10	429	13074	2.19	1.76–2.72	1e-12
11	212	12150	1.47	1.1–1.97	0.008
12	280	13082	1.51	1.17–1.96	0.002
13	672	14911	1.49	1.27–1.75	2e-06
14	232	11142	7.61	4.93–11.75	5e-20
15	456	10303	1.8	1.47–2.2	1e-08
16	494	11252	0.55	0.46–0.66	3e-10
17	140	8005	0.51	0.35–0.73	3e-04
18	248	7151	0.68	0.51–0.92	0.01
random effects model	8111	211249	1.53	1.23–1.89	1e-04
fixed effects model	8111	211249	1.53	1.46–1.61	3e-67



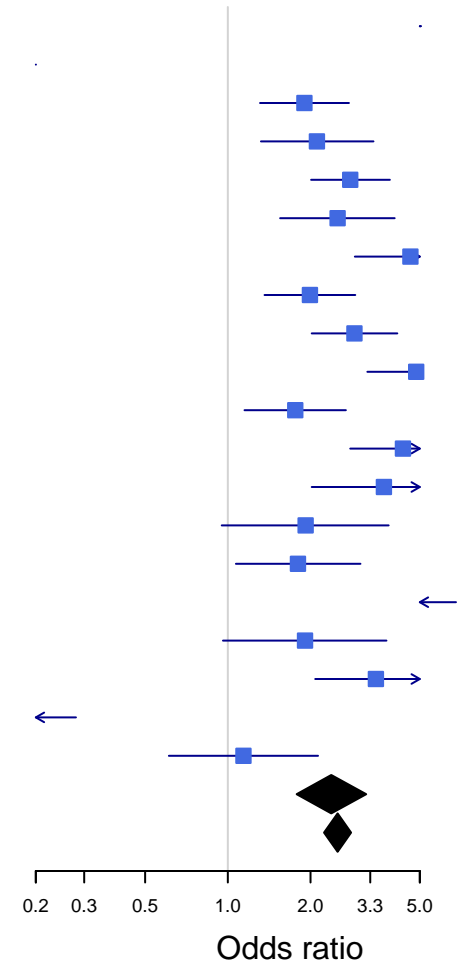
Propensity for Vbeta20.1

donor	V20.1	total TCRs	OR	CI	p value
1	509	13593	1.4	1.17–1.67	2e-04
2	686	12567	2.47	2.08–2.93	2e-25
3	750	14965	2.15	1.79–2.59	3e-16
4	687	12387	3.01	2.53–3.59	2e-35
5	366	8050	3.18	2.48–4.08	7e-20
6	411	12302	3.79	2.96–4.85	4e-26
7	489	9929	2.37	1.95–2.89	8e-18
8	578	12477	1.98	1.66–2.37	5e-14
9	611	13909	2.61	2.19–3.12	3e-26
10	630	13074	2.67	2.22–3.22	2e-25
11	390	12150	2.31	1.83–2.91	2e-12
12	397	13082	2.67	2.09–3.4	2e-15
13	573	14911	2.26	1.87–2.72	3e-17
14	246	11142	12.78	7.56–21.61	2e-21
15	332	10303	1.95	1.54–2.47	3e-08
16	604	11252	4.36	3.52–5.4	3e-41
17	162	8005	0.07	0.03–0.13	9e-14
18	215	7151	0.54	0.4–0.73	4e-05
random effects model	8636	211249	2.17	1.73–2.72	2e-11
fixed effects model	8636	211249	2.34	2.23–2.46	<1e-100



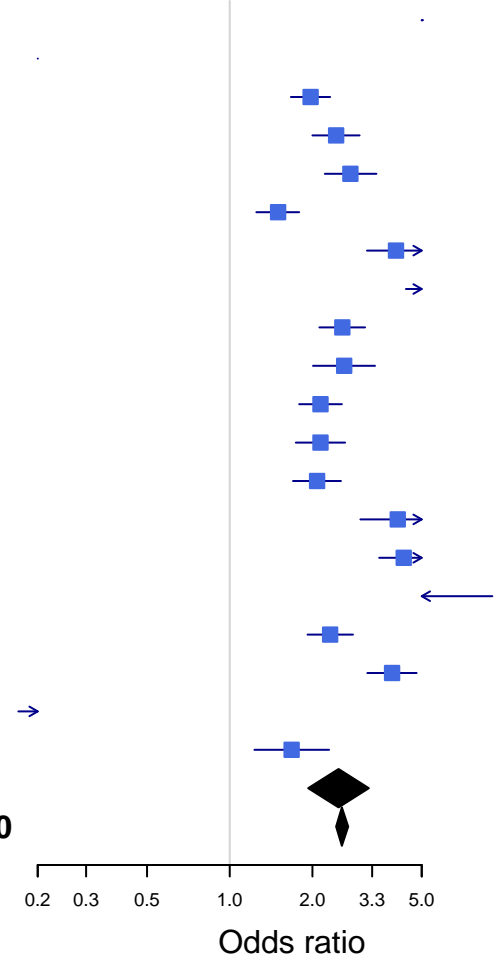
Propensity for Vbeta7.2

donor	V7.2	total TCRs	OR	CI	p value
1	118	13593	1.9	1.31–2.76	7e-04
2	83	12567	2.11	1.32–3.39	0.002
3	267	14965	2.79	2.01–3.89	1e-09
4	83	12387	2.51	1.55–4.05	2e-04
5	127	8050	4.62	2.9–7.36	1e-10
6	126	12302	1.99	1.36–2.91	4e-04
7	155	9929	2.89	2.02–4.14	7e-09
8	166	12477	4.85	3.22–7.32	5e-14
9	91	13909	1.76	1.15–2.69	0.009
10	143	13074	4.34	2.79–6.76	8e-11
11	73	12150	3.7	2.02–6.76	2e-05
12	41	13082	1.92	0.95–3.85	0.07
13	66	14911	1.8	1.07–3.04	0.03
14	81	11142	21.5	6.77–68.29	2e-07
15	40	10303	1.91	0.96–3.78	0.06
16	92	11252	3.46	2.08–5.75	2e-06
17	70	8005	0.13	0.06–0.28	3e-07
18	70	7151	1.14	0.61–2.13	0.7
random effects model	1892	211249	2.38	1.78–3.19	7e-09
fixed effects model	1892	211249	2.51	2.24–2.81	1e-58



Propensity for Vbeta5.1

donor	V5.1	total TCRs	OR	CI	p value
1	636	13593	1.97	1.67–2.32	6e-16
2	499	12567	2.44	2–2.97	1e-18
3	607	14965	2.75	2.22–3.42	3e-20
4	538	12387	1.5	1.25–1.79	8e-06
5	439	8050	4.03	3.16–5.13	2e-29
6	688	12302	5.41	4.38–6.69	5e-55
7	527	9929	2.57	2.12–3.11	9e-22
8	295	12477	2.61	2.01–3.38	4e-13
9	552	13909	2.14	1.79–2.56	1e-16
10	450	13074	2.14	1.74–2.63	7e-13
11	494	12150	2.08	1.7–2.54	1e-12
12	300	13082	4.09	2.99–5.61	2e-18
13	671	14911	4.3	3.5–5.28	4e-44
14	448	11142	13.29	9.04–19.54	2e-39
15	546	10303	2.32	1.92–2.81	4e-18
16	602	11252	3.9	3.17–4.79	8e-38
17	224	8005	0.1	0.06–0.17	4e-20
18	352	7151	1.68	1.23–2.3	0.001
random effects model	8868	211249	2.49	1.93–3.21	3e-12
fixed effects model	8868	211249	2.56	2.44–2.7	<1e-100



Propensity for Vbeta18

donor	V18	total TCRs	OR	CI	p value
1	239	13593	6.14	4.35–8.69	9e–25
2	237	12567	5.61	3.91–8.06	9e–21
3	380	14965	5.35	3.77–7.6	7e–21
4	214	12387	3.79	2.73–5.28	3e–15
5	165	8050	5.49	3.55–8.51	2e–14
6	432	12302	6.2	4.68–8.22	7e–37
7	213	9929	4.58	3.23–6.5	1e–17
8	208	12477	6.25	4.21–9.3	1e–19
9	276	13909	5.55	4.03–7.64	7e–26
10	110	13074	1.82	1.21–2.74	0.004
11	140	12150	2.06	1.41–3.01	2e–04
12	256	13082	3.41	2.45–4.73	3e–13
13	366	14911	3.37	2.6–4.35	2e–20
14	226	11142	3.58	2.55–5.03	2e–13
15	273	10303	6.96	4.79–10.1	2e–24
16	254	11252	6.48	4.44–9.47	4e–22
17	489	8005	18.31	12.87–26.04	9e–59
18	115	7151	2.31	1.24–4.33	0.009
random effects model	4593	211249	4.71	3.73–5.95	1e–38
fixed effects model	4593	211249	4.78	4.4–5.2	<1e–100

