Table S3. V gene usage and deduced aminoacid sequences of CDR3 of unselected Griffin.CAR library

Clone No	VH Family	VH Gene	VH CDR3	VL Family	VL Gene
31	VH1	DP-3+IGHV1-f*01	YNLL	VL1	V1-16, IGLV1-44*01
70	VH1	DP-1/HC15-1	ELVGSNCYTFDV	VL1	V1-16, IGLV1-44*01
42	VH3	DP-39/HC16-8	LESLPFDY	VL1	IGLV1-41*01
110	VH1	VP-75/VI-2…+, VH1-2, IGHV1-2*02	NLWW	VL1	IGLV1-47*01
26	VH1	DP-4/VH1.45+IGHV1-45*02	KATTIP-GNRWP	VL1	VL1-18, IGLV1-50*01
109	VH1	DP-1/HC15-1	TCSQTS	VL3	V2-1, IGLV3-1*01
29	VH1	DP-2/V71-5+, IGHV1-58*01	SAIATSL	VL1	IGLV1-47*01
2	VH1	DP-2/V71-5+, IGHV1-58*01	VIKEP	VL3	V2-13, IGLV3-19*01
17	VH5	V186.2, 186.2, VHJ558, J558.75.177, IGHV152*01	YDYYGSSSFDY	VL3	V2-13, IGLV3-19*01
68	VH7	VI-4.1b+, IGHV7-4-1*02	EDLHDVASN	VL3	V2-13, IGLV3-19*01
76	VH1	COS-14/HC15-5	EAAPFPPX	VL3	V2-13, IGLV3-19*01
85	VH6	IGHV6	RLLILS	VL3	L25, IGKV3/OR2-268*02, IGKV3D-7*01
93	VH1	DP10/hv1051…+, IGHV1-69*01	IWSTLRGSLS	VL2	V1-4, IGLV2-14*01
107	VH1	DP-75/VI2…+, VH1-2, IGHV1-2*02	CVAPTDK	VL2	V1-4, IGLV2-14*01
12	VH1	DP-5/VI-24P+, VH1-24, IGHV1-24*01	NRSRTK	VL2	V1-4, IGLV2-14*01
32	VH1	DP-2/V71-5+, IGHV1-58*01	LFTNPC	VL1	V1-11, IGLVI-36*01
111	VH1	DP-1/HC15-1	ARIFT	VL1	V1-11, IGLVI-36*01
52	VH1	DP-25/VI-3b+, IGHV1-3*01	RPAHFQ	VL1	V1-11, IGLVI-36*01
55	VH1	DP-25/VI-3b+, IGHV1-3*01	RPAHFQ	VL1	V1-11, IGLVI-36*01
16	VH1	DP-3+IGHV1-f*01	PAHNILA	VL9	IGLV9-49*01
13	VH4	DP-71/3d197d…+, VH4-59, IGHV4-59*09, IGHV4-59*01	ASPQVFDY	VL9	IGLV9-49*01
40	VH1	DP-1/HC15-1	VLSEA	VL9	IGLV9-49*01
28	VH1	DP-2/V71-5+, IGHV1-58*01	LQNKGM	VL2	A2, IGKV2D-29*01
35	VH1	DP-5/VI-24P+, VH1-24, IGHV1-24*01	FICS	VL2	A2, IGKV2D-29*01
25	VH1	DP-14/V1-18+, VH1-18, IGHV1-18*01	LFRQGF	VL1	04, 014, IGKV1D-37*01
14	VH1	DP-3+IGHV1-f*01	TRVNRYVL	VL2	IGKV2
84	VH1	DP-4/VH1.45+IGHV1-45*02	LDNYQYN	VL2	A3, A19, IGKV2D-28*01, IGKV2-28*01
103	VH5	V186.2, 186.2, VHJ558, J558.75.177, IGHV152*01	YDYYGSSSFDY	VL2	A2, IGKV2D-29*01
79	VH1	VH1-58, IGHV1-58*02	ARWA	VL2	011, 01, IGKV2D-40*01, IGKV2-40*01
100	VH1	DP-75/VI2…+, VH1-2, IGHV1-2*02	RSVAGDSKV	VL2	A3, A19, IGKV2D-28*01, IGKV2-28*01
94	VH1	DP-14/V1-18+, VH1-18, IGHV1-18*01	STHSGDIC	VL1	L5, IGKV1-12*02, IGKV1-12*01
106	VH1	DP-14/V1-18+, VH1-18, IGHV1-18*01	STHSGDIC	VL1	L5, IGKV1-12*02, IGKV1-12*01
64	VH7	VI-4.1b+, IGHV7-4-1*02	NYLGTR	VL1	L19, IGKV1D-12*01
62	VH1	DP-1/HC15-1	SNFTTLTIREL	VL1	L24, IGKV1D-8*01
96	VH1	DP-10, hv1051…+, IGHV1-69*01	TPDNFDYR	VL1	L24, IGKV1D-8*01
97	VH3	V3-53+, VH3-53, IGHV3-53*01	SIVRHGLVNTLW	VL1	L24, IGKV1D-8*01
95	VH7	VI-4.1b+, IGHV7-4-1*02	LGPLNT	VL4	B3, IGKV4-1*01
69	VH1	DP-2/V71-5+, IGHV1-58*01	LSQNGSSG	VL1	VL1, IGLV1*01
99	VH7	VHSM7.a4.108, IGHV14-4*02	GTPTGPYYFDY	VL4	76con, 4-56, ap4, IGKV4-57*01
21	VH7	VI-4.1b+, IGHV7-4-1*02	RNSSSE	VL4	V5-1, IGLV4-3*01
81	VH7	VI-4.1b+, IGHV7-4-1*02	APSLMQP	VL1	V1-11, IGLVI-36*01
30	VH6	IGHV6	LHL	VL2	A7, IGKV2D-24*01
65	VH6	IGHV6	ITYGVFDY	VL3	L25, IGKV3/OR2-268*02, IGKV3D-7*01

24	VH4	IGHV6	GMEPSFDY	VL3	V2-1, IGLV3-1*01
10	VH6	IGHV6	VLPREFDY	VL1	IGLV1-47*01
98	VH6	IGHV6	RVTMCFDC	VL2	V1-9, IGLV2-33*01
63	VH4	VH5/4d76…+DP-63/VH4-21…+, VH4-34, VGH4-34*01	SGTHRP	VL1	IGLV1-40*02
71	VH4	DP-66/V71-2…+, IGHV4-61*07, IGHV4-61*01	S-LTQP	VL2	V1.4, IGLV2-14*01
47	VH3	DP-39/HC16-8	IGGPA	VL1	IGLV1-41*01
23	VH4	IGHV4	SPDALYC	VL3	V2-13, IGLV3-19*01
72	VH3	DP-45	TCHSGWPLAH	VL2	V1-7, IGLV2-23*03, IGLV2-23*01
91	VH3	V3-53+, VH3-53, IGHV3-53*01	IIPVCDFKWR	VL1	V1-11, IGLVI-36*01

VL CDR3	Nº repetitions
AAWDDSLYRRFV	0
AAWDDSLSPV	0
AAWDDSLV	0
AAWDDSLSAYV	0
KAWDNSLV	0
QAWDSRTSPV	0
AAWDNSLCV	0
NSRDSSGGWGTV	0
NSRDSSGNHV	0
NSRGSSGFMFV	0
NSRXSSGTV	0
SLYSSSYWQV	0
SPYTSSSYSAV	0
SSYTSSSV	0
SSYTSSSV	0
AAWDDSLSFAV	0
AASTOPDDSLV	0
AAWDDSLGRV	0
AAWDDSLXRV	0
GADHGSGSNFLV	0
GADHGSGSNFSV	0
GADHGSGSNFHV	0
TQSIQLHAT	0
MQSIQLLM	0
QRTYNAQT	0
MQMHKIILR	0
MQALQTPT	0
MQSIQLRQVT	0
MQATQFHQAT	0
MQALQTRT	0
QQANSFRT	0
QQANSFRT	0
LQDYNYLT	0
QQYGSSRT	0
QQYYSFLSRT	0
QQYYS	0
QQYYSTPPIT	0
ALWYSNHWV	0
QQRSSYPLT	0
GERHTIDGQVV	0
AAWDDSLSPSCV	0
TQATQFLSST	0
QQDYNLPT	0

AAWDDSLSV	0
AAWDDSLYV	0
SLYSSSYV	0
QSYDSSLSSV	0
SLYKQQHC	0
LAWDTSPRDTV	0
NSRDSSGTV	0
CSYAGSSFWV	0
AAWDDSLAPMV	0