Figure 1

Numbering according to Kabat (VH)	Numbering according to Chothia (VH)	Aho numbering	IMGT
11	11	12	12
14	14	15	15
41	41	48	46
42	42	49	47
87	87	101	99
89	89	103	101
108	108	144	---
110	110	146	---
112	112	148	---
Source: http://www.bioc.uzh.ch/plueckthun/antibody/Numbering/NumFrame.html			

Figure 2

SEQ ID NO	Description	Sequence
1	Reference	EVQLVESGGGLVQPGNSLRLSCAASGFTFSSFGMSWVR QAPGKGLEWVSSISGSGSDTLYADSVKGRFTISRDNAKT TLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLVTVSS
2	Reference	EVQLLESGGGLVQPGGSLRLSCAASGFTFRSFGMSWVR QAPGKGPEWVSSISGSGSDTLYADSVKGRFTISRDNSKN TLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLVTVSS
3	CDR1 (Kabat)	SFGMS
4	CDR2 (Kabat)	SISGSGSDTLYADSVKG
5	CDR3 (Kabat/Abm)	GGSLSR
6	CDR1 (Abm)	GFTFRSFGMS
7	CDR2 (Abm)	SISGSGSDTL
8	CDR3 (Kabat/Abm)	GGSLSR
9	CDR1 (Kabat)	SYAMG
10	CDR2 (Kabat)	SISRGGGYTYYADSVKG
11	CDR3 (Kabat/Abm)	ARYWATGSEYEFDY
12	CDR1 (Abm)	GLTFSSYAMG
13	CDR2 (Abm)	SISRGGGYTY
14	CDR3 (Kabat/Abm)	ARYWATGSEYEFDY
15	Invention	EVQLVESGGGLVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTAVYYCAAARYWATGSEYEFDY WGQGTLVTVSS
16	Invention	EVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS
17	Invention	EVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTALYYCAAARYWATGSEYEFDY WGQGTLVKVSS

Figure 2 (continued)

SEQ ID NO	Description	Sequence
18	Invention	EVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTALYYCAAARYWATGSEYEFDY WGQGTLVQVSS
19	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSS
20	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSS
21	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVASISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSS
22	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS
23	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSS
24	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSKN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSS
25	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVASISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS
26	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSKN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSS

Figure 2 (continued)

SEQ ID NO	Description	Sequence
27	Invention	EVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS
28	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSS
29	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSS
30	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVASISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSS
31	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS
32	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSS
33	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSKN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSS
34	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVASISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS
35	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSKN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSS

Figure 2 (continued)

SEQ ID NO	Description	Sequence
36	Invention	EVQLVESGGGLVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTAVYYCAAARYWATGSEYEFDY WGQGTLVTVSSA
37	Invention	EVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSSA
38	Invention	EVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTALYYCAAARYWATGSEYEFDY WGQGTLVKVSS-A
39	Invention	EVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTALYYCAAARYWATGSEYEFDY WGQGTLVQVSS-A
40	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSSA
41	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSSA
42	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVASISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSSA
43	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSSA
44	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSSA

Figure 2 (continued)

SEQ ID NO	Description	Sequence
45	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSKN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSSA
46	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVASISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSSA
47	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSKN TVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDYW GQGTLVTVSSA
48	Invention	EVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSSA
49	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSSA
50	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSSA
51	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVASISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSSA
52	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSSA
53	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSEN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSSA

Figure 2 (continued)

SEQ ID NO	Description	Sequence
54	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSKN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSSA
55	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKERERVASISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSSA
56	Invention	EVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWFR QAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSKN TVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDYW GQGTLVTVSSA
57	Invention	DVQLVESGGGLVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTAVYYCAAARYWATGSEYEFDY WGQGTLVTVSS
58	Invention	DVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS
59	Invention	DVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTALYYCAAARYWATGSEYEFDY WGQGTLVKVSS
60	Invention	DVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTALYYCAAARYWATGSEYEFDY WGQGTLVQVSS
61	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSE NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS
62	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSE NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS

Figure 2 (continued)

SEQ ID NO	Description	Sequence
63	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVASISRGGGYTYYADSVKGRFTISRDNSE NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS
64	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNS KNTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS
65	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSE NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS
66	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS
67	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVASISRGGGYTYYADSVKGRFTISRDNS KNTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS
68	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSS
69	Invention	DVQLVESGGGVVQAGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNA ENTVYLQMNSLKPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS
70	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSE NTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS
71	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSE NTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS

Figure 2 (continued)

SEQ ID NO	Description	Sequence
72	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVASISRGGGYTYYADSVKGRFTISRDNSE NTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS
73	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNS KNTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS
74	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSE NTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS
75	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKEREFVVSISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS
76	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVASISRGGGYTYYADSVKGRFTISRDNS KNTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS
77	Invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKEREFVASISRGGGYTYYADSVKGRFTISRDNSK NTVYLQMNSLRPEDTATYYCAAARYWATGSEYEFDY WGQGTLVTVSS
78	C-terminal sequence	VTVSS
79	Reference	EVQLVESGGGVVQPGNSLRLSCAASGFTFSSFGMSWVR QAPGKGLEWVSSISGSGSDTLYADSVKGRFTISRDNAKT TLYLQMNSLRPEDTALYYCTIGGSLSRSSQGTLVTVSS
80	Reference	EVQLVESGGGVVQPGGSLRLSCAASGFTFRSFGMSWVR QAPGKGPEWVSSISGSGSDTLYADSVKGRFTISRDNSKN TLYLQMNSLRPEDTALYYCTIGGSLSRSSQGTLVTVSS
81	anti-HER2-Nanobody	EVQLVESGGGLVQAGGSLRLSCAASGITFSINTMGWYR QAPGKQRELVALISSIGDTYYADSVKGRFTISRDNAKNT VYLQMNSLKPEDTAVYYCKRFRTAAQGTDYWGQGTL VTVSS

Figure 2 (continued)

SEQ ID NO	Description	Sequence
82	Compound of the invention	DVQLVESGGGLVQAGGSLRLSCAASGITFSINTMGWYR QAPGKQRELVALISSIGDTYYADSVKGRFTISRDNAKNT VYLQMNSLKPEDTAVYYCKRFRTAAQGTDYWGQGTL VTVSSGGGGSGGGGSGGGGSGGGGSGGGGSGGGGSGG GGSEVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMG WFRQAPGKERERVVSISRGGGYTYYADSVKGRFTISRD NSENTVYLQMNSLRPEDTALYYCAAARYWATGSEYEF DYWGQGTLVTVSSA
83	Compound of the invention	DVQLVESGGGLVQAGGSLRLSCAASGITFSINTMGWYR QAPGKQRELVALISSIGDTYYADSVKGRFTISRDNAKNT VYLQMNSLKPEDTAVYYCKRFRTAAQGTDYWGQGTL VTVSSGGGGSGGGGSGGGGSEVQLVESGGGVVQPGGS LRLSCAASGLTFSSYAMGWFRQAPGKERERVVSISRGG GYTYYADSVKGRFTISRDNSENTVYLQMNSLRPEDTAL YYCAAARYWATGSEYEFDYWGQGTLVTVSSA
84	Compound of the invention	DVQLVESGGGLVQAGGSLRLSCAASGITFSINTMGWYR QAPGKQRELVALISSIGDTYYADSVKGRFTISRDNAKNT VYLQMNSLKPEDTAVYYCKRFRTAAQGTDYWGQGTL VTVSSGGGGSGGGGSGGGGSGGGGSGGGGSGGGGSGG GGSEVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMG WFRQAPGKERERVVSISRGGGYTYYADSVKGRFTISRD NSENTVYLQMNSLRPEDTALYYCAAARYWATGSEYEF DYWGQGTLVTVSSA
85	Compound of the invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSE NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSSGGGGSGGGGSGGGGSGGGGSGGGGS GGGGSGGGGSEVQLVESGGGLVQAGGSLRLSCAASGIT FSINTMGWYRQAPGKQRELVALISSIGDTYYADSVKGR FTISRDNAKNTVYLQMNSLKPEDTAVYYCKRFRTAAQG TDYWGQGTLVTVSSA

Figure 2 (continued)

SEQ ID NO	Description	Sequence
86	Compound of the invention	DVQLVESGGGLVQAGGSLRLSCAASGITFSINTMGWYR QAPGKQRELVALISSIGDTYYADSVKGRFTISRDNAKNT VYLQMNSLKPEDTAVYYCKRFRTAAQGTDYWGQGTL VTVSSGGGGSGGGGSGGGGSGGGGSGGGGSGGGGSGG GGSEVQLVESGGGLVQAGGSLRLSCAASGITFSINTMG WYRQAPGKQRELVALISSIGDTYYADSVKGRFTISRDN AKNTVYLQMNSLKPEDTAVYYCKRFRTAAQGTDYWG QGTLVTVSSGGGGSGGGGSGGGGSGGGGSGGGGSGGG GSGGGGSEVQLVESGGGVVQPGGSLRLSCAASGLTFSS YAMGWFRQAPGKERERVVSISRGGGYTYYADSVKGRF TISRDNSENTVYLQMNSLRPEDTALYYCAAARYWATGS EYEFDYWGQGTLVTVSSA
87	Compound of the invention	DVQLVESGGGLVQAGGSLRLSCAASGITFSINTMGWYR QAPGKQRELVALISSIGDTYYADSVKGRFTISRDNAKNT VYLQMNSLKPEDTAVYYCKRFRTAAQGTDYWGQGTL VTVSSGGGGSGGGGSGGGGSGGGGSGGGGSGGGGSGG GGSEVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMG WFRQAPGKERERVVSISRGGGYTYYADSVKGRFTISRD NSENTVYLQMNSLRPEDTALYYCAAARYWATGSEYEF DYWGQGTLVTVSSGGGGSGGGGSGGGGSGGGGSGGG GSGGGGSGGGGSEVQLVESGGGLVQAGGSLRLSCAAS GITFSINTMGWYRQAPGKQRELVALISSIGDTYYADSVK GRFTISRDNAKNTVYLQMNSLKPEDTAVYYCKRFRTAA QGTDYWGQGTLVTVSSA
88	Compound of the invention	DVQLVESGGGVVQPGGSLRLSCAASGLTFSSYAMGWF RQAPGKERERVVSISRGGGYTYYADSVKGRFTISRDNSE NTVYLQMNSLRPEDTALYYCAAARYWATGSEYEFDY WGQGTLVTVSSGGGGSGGGGSGGGGSGGGGSGGGGS GGGGSGGGGSEVQLVESGGGLVQAGGSLRLSCAASGIT FSINTMGWYRQAPGKQRELVALISSIGDTYYADSVKGR FTISRDNAKNTVYLQMNSLKPEDTAVYYCKRFRTAAQG TDYWGQGTLVTVSSGGGGSGGGGSGGGGSGGGGSGG GGSGGGGSGGGGSEVQLVESGGGLVQAGGSLRLSCAA SGITFSINTMGWYRQAPGKQRELVALISSIGDTYYADSV KGRFTISRDNAKNTVYLQMNSLKPEDTAVYYCKRFRTA AQGTDYWGQGTLVTVSSA

Figure 2 (continued)

SEQ ID NO	Description	Sequence
89	Reference Compound	DVQLVESGGGLVQAGGSLRLSCAASGITFSINTMGWYR QAPGKQRELVALISSIGDTYYADSVKGRFTISRDNAKNT VYLQMNSLKPEDTAVYYCKRFRTAAQGTDYWGQGTL VTVSSGGGGSGGGGSGGGGSGGGGSGGGGSGGGGSGG GGSEVQLVESGGGVVQPGNSLRLSCAASGFTFSSFGMS WVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISRD NAKTTLYLQMNSLRPEDTALYYCTIGGSLSRSSQGTLVT VSSA
90	Reference Compound	DVQLVESGGGLVQAGGSLRLSCAASGITFSINTMGWYR QAPGKQRELVALISSIGDTYYADSVKGRFTISRDNAKNT VYLQMNSLKPEDTAVYYCKRFRTAAQGTDYWGQGTL VTVSSGGGGSGGGGSGGGGSGGGGSGGGGSGGGGSGG GGSEVQLVESGGGVVQPGGSLRLSCAASGFTFRSFGMS WVRQAPGKGPEWVSSISGSGSDTLYADSVKGRFTISRD NSKNTLYLQMNSLRPEDTALYYCTIGGSLSRSSQGTLVT VSSA

Figure 3A

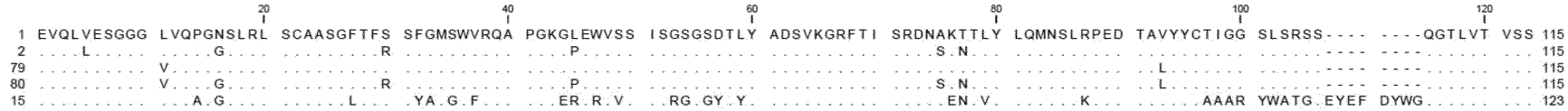


Figure 3B

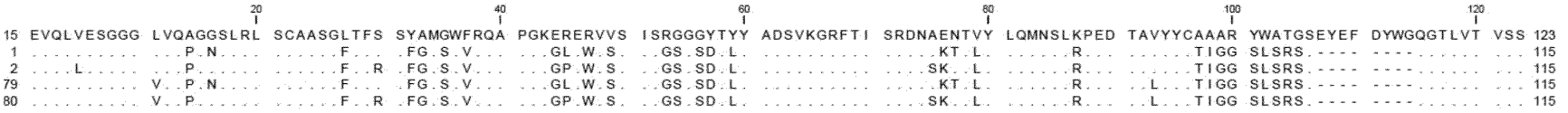
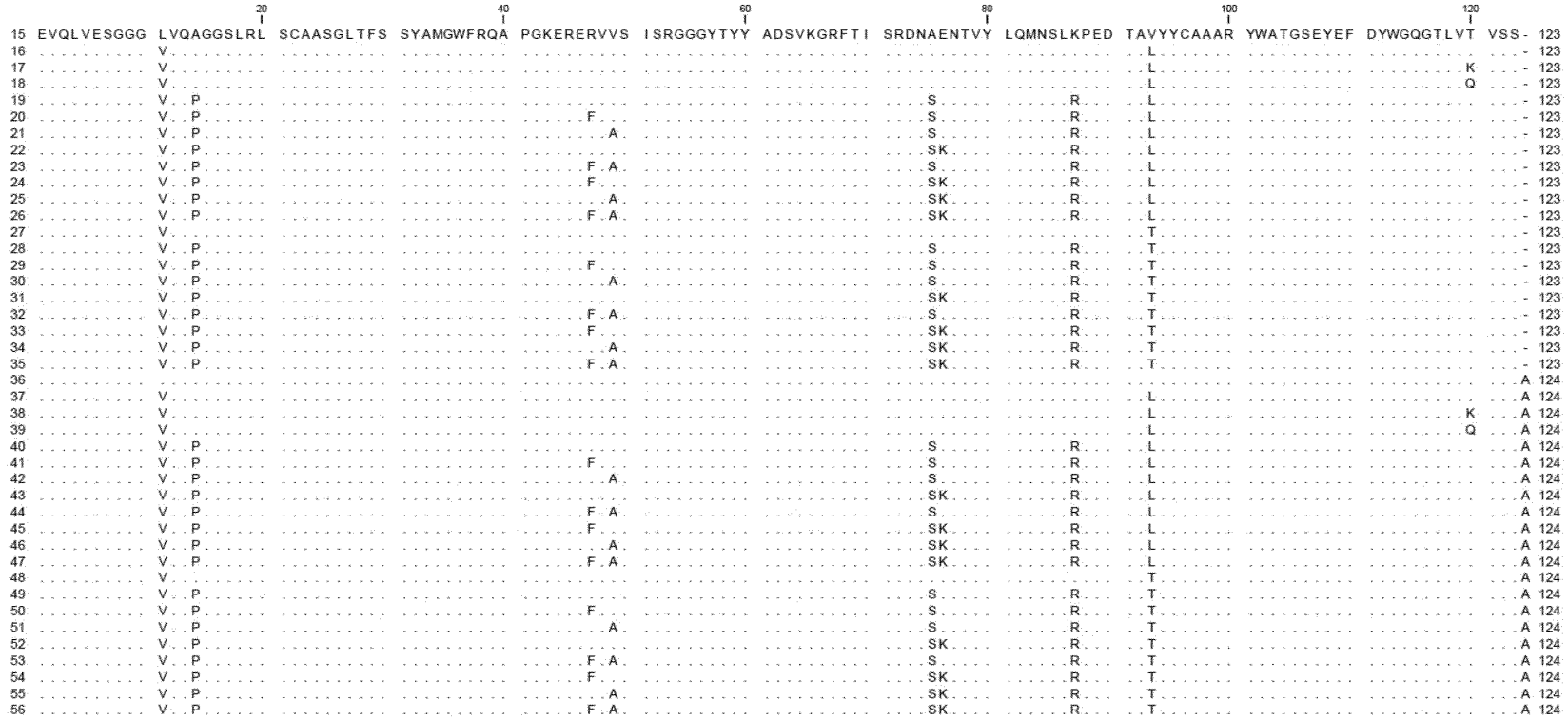


Figure 4A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100
120
15 EVQLVESGGG LVQAGGSLRL SCAASGLTFS SYAMGWFRQA PGKERERVVS ISRGGGYTYY ADSVKGRFTI SRDNAENTVY LQMNSLKPED TAVYYCAAAR YWATGSEYEF DYWGQGTLVT VSS- 123
16 V L - 123
17 V L K - 123
18 V L Q - 123
19 V P S R L - 123
20 V P F S R L - 123
21 V P A S R L - 123
22 V P SK R L - 123
23 V P F A S R L - 123
24 V P F SK R L - 123
25 V P A SK R L - 123
26 V P F A SK R L - 123
27 V T - 123
28 V P S R T - 123
29 V P F S R T - 123
30 V P A S R T - 123
31 V P SK R T - 123
32 V P F A S R T - 123
33 V P F SK R T - 123
34 V P A SK R T - 123
35 V P F A SK R T - 123
36 A 124
37 V L A 124
38 V L K A 124
39 V L Q A 124
40 V P S R L A 124
41 V P F S R L A 124
42 V P A S R L A 124
43 V P SK R L A 124
44 V P F A S R L A 124
45 V P F SK R L A 124
46 V P A SK R L A 124
47 V P F A SK R L A 124
48 V T A 124
49 V P S R T A 124
50 V P F S R T A 124
51 V P A S R T A 124
52 V P SK R T A 124
53 V P F A S R T A 124
54 V P F SK R T A 124
55 V P A SK R T A 124
56 V P F A SK R T A 124

Figure 4B

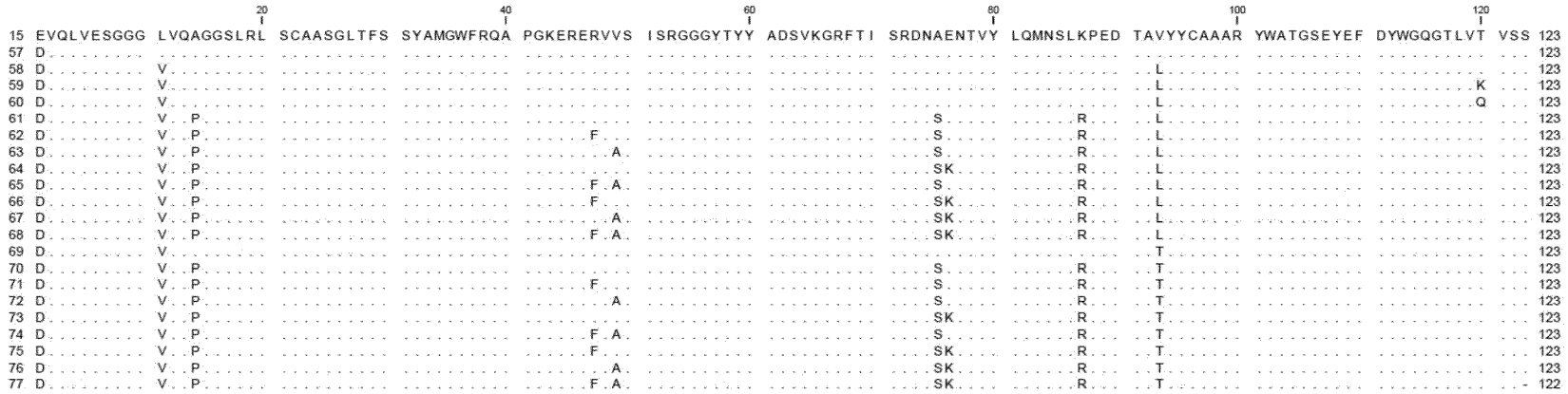
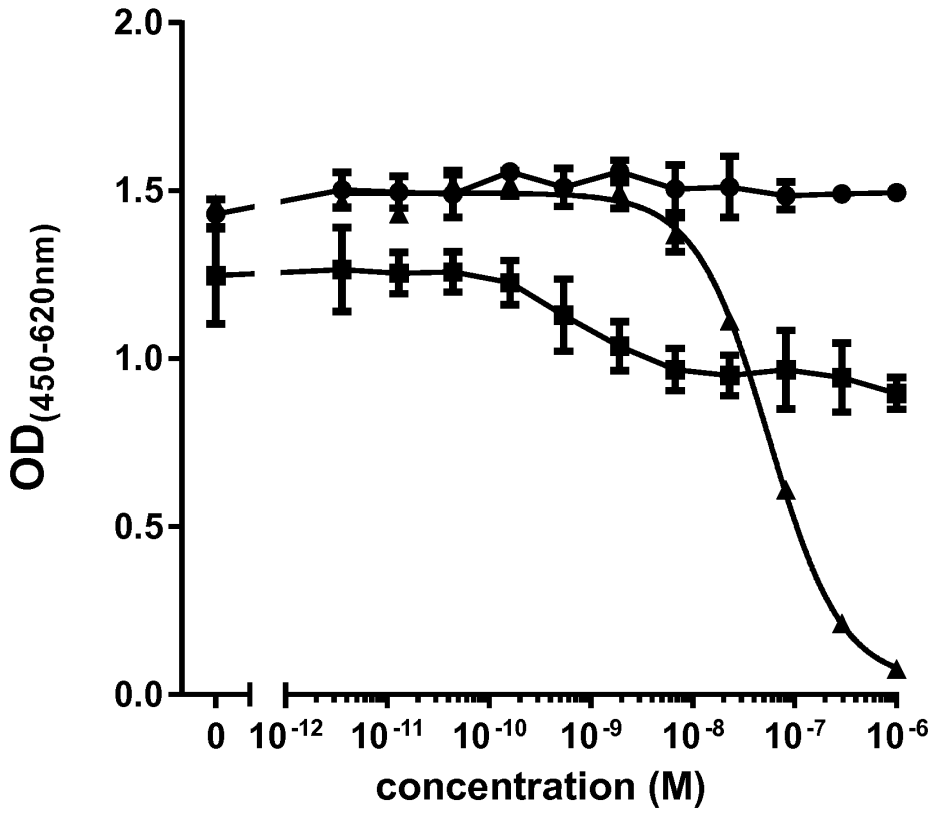

20
40
60
80
100
120
15 EVQLVESGGG LVQAGGSLRL SCAASGLTFS SYAMGWFRQA PGKERERVVS ISRGGGYTYY ADSVKGRFTI SRDNAENTVY LQMNSLKPED TAVYYCAAAR YWATGSEYEF DYWGQGTLVT VSS 123
57 D 123
58 D V L 123
59 D V L K 123
60 D V L Q 123
61 D V P S R L 123
62 D V P F S R L 123
63 D V P A S R L 123
64 D V P SK R L 123
65 D V P F A S R L 123
66 D V P F SK R L 123
67 D V P A SK R L 123
68 D V P F A SK R L 123
69 D V T 123
70 D V P S R T 123
71 D V P F S R T 123
72 D V P A S R T 123
73 D V P SK R T 123
74 D V P F A S R T 123
75 D V P F SK R T 123
76 D V P A SK R T 123
77 D V P F A SK R T 122

Figure 5



▲ = SEQ ID NO: 1 (tagged)

■ = SEQ ID NO:15 (tagged)

● = cAblys3 (tagged)

Figure 6

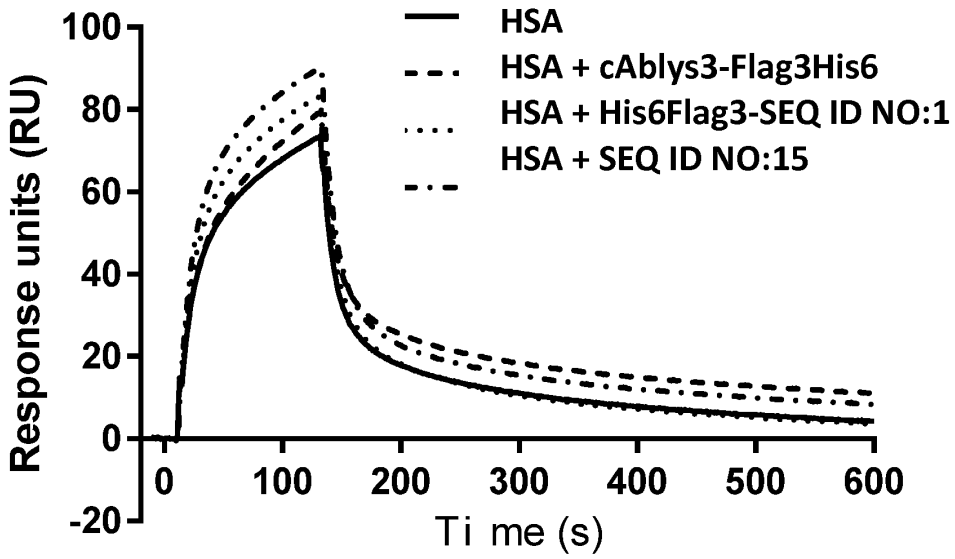

HSA
HSA + cAblys3-Flag3His6
HSA + His6Flag3-SEQ ID NO:1
HSA + SEQ ID NO:15
Response units (RU)
100
80
60
40
20
0
-20
0
100
200
300
400
500
600
Ti me (s)

Figure 7

X-ray source	PXI/X06SA (SLS[1])
Wavelength [Å]	1.0000
Detector	EIGER X 16M
Temperature [K]	100
Space group	P 2_1 2_1 2_1
Cell: a; b; c; [Å]	50.67; 121.58; 151.70
α; β; γ; [•]	90.0; 90.0; 90.0
Resolution [Å]	2.80 (3.05-2.80)
Unique reflections	23319 (5157)
Multiplicity	4.2 (4.1)
Completeness [%]	97.7 (97.5)
R_{sym} [%][3]	6.0 (43.8)
R_{meas} [%][4]	6.9 (49.9)
Mean(I)/sd[5]	17.57 (3.71)

[1] SWISS LIGHT SOURCE (SLS, Villigen, Switzerland)

[2] values in parenthesis refer to the highest resolution bin.

[3] $$Rsym = \frac{\sum_h \sum_i^{n_h} \left| \hat{I}_h - I_{h,i} \right|}{\sum_h \sum_i^{n_h} I_{h,i}} \text{ with } \hat{I}_h = \frac{1}{n_h} \sum_i^{n_h} I_{h,i}$$

where $I_{h,i}$ is the intensity value of the *i*th measurement of *h*

[4] $$Rmeas = \frac{\sum_h \sqrt{\frac{n_h}{n_h - 1}} \sum_i^{n_h} \left| \hat{I}_h - I_{h,i} \right|}{\sum_h \sum_i^{n_h} I_{h,i}} \text{ with } \hat{I}_h = \frac{1}{n_h} \sum_i^{n_h} I_{h,i}$$

where $I_{h,i}$ is the intensity value of the *i*th measurement of *h*

[5] calculated from independent reflections

Figure 8

Resolution [Ä]	94.87-2.80
Number of reflections (working /test)	22643 / 676
R_{cryst} [%]	21.4
R_{free}[%][2]	27.8
Total number of atoms:	
HSA	4625
Nanobody	952
Water	1
Deviation from ideal geometry: [3]	
Bond lengths [Å]	0.012
Bond angles [°]	1.43
Bonded B's [Å^2] [4]	3.8
Ramachandran plot: [5]	
Most favoured regions [%]	92.9
Additional allowed regions [%]	7.0
Generously allowed regions [%]	0.2
Disallowed regions [%]	0.0

[1] Values as defined in REFMAC5, without sigma cut-off

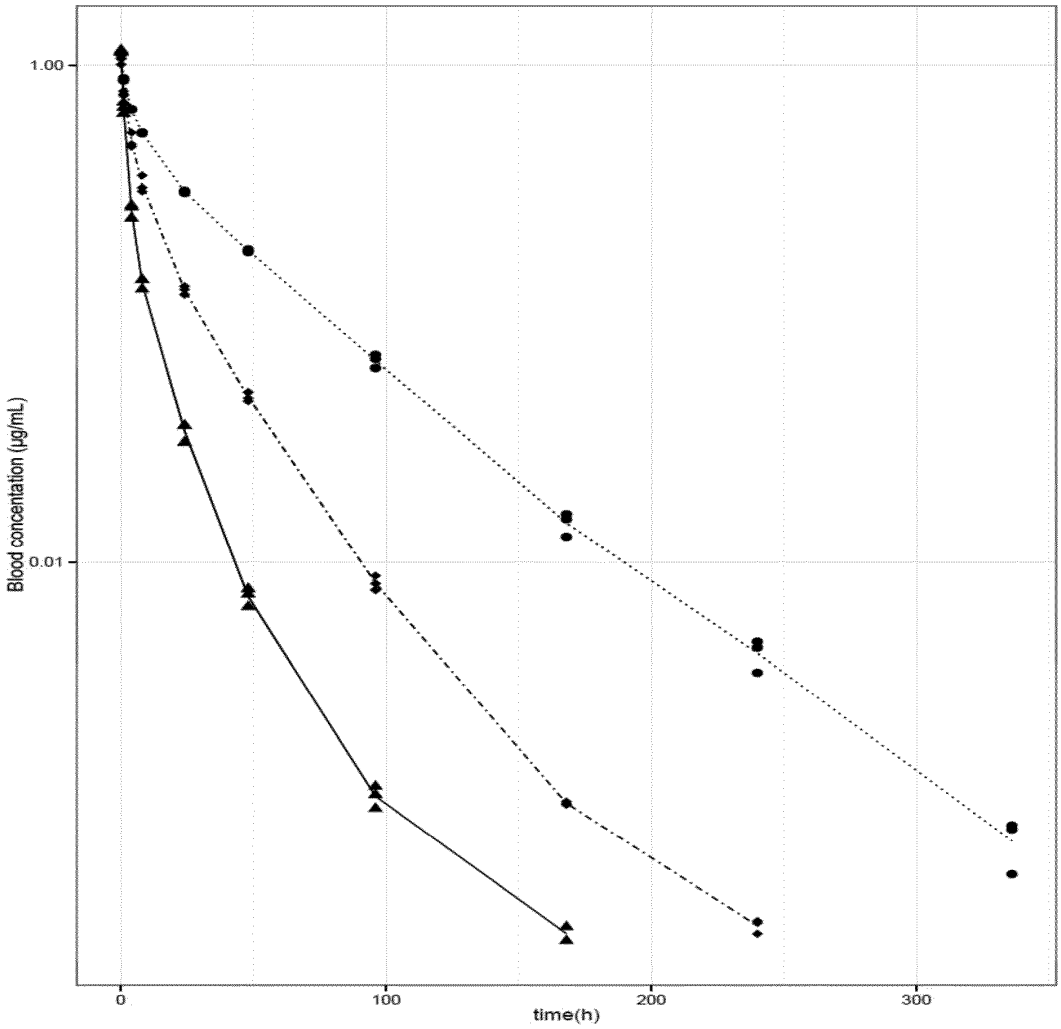
[2] Test-set contains 2.9% of measured reflections

[3] Root mean square deviations from geometric target values

[4] Calculated with MOLEMAN

[5] Calculated with ProCHECK

Figure 9



● = SEQ ID NO: 82 (invention)

▲ = SEQ ID NO: 89 (reference)

◆ = SEQ ID NO: 90 (reference)

Figure 10

Amino acid residue on HSA	A.a. residue in SEQ ID NO: 15 (*)	Position (Kabat)		Amino acid residue on HSA	A.a. residue in SEQ ID NO: 15 (*)	Position (Kabat)
MET298	TYR101	97		ARG337	ALA103	99
PRO299	ARG53	52a		HIS338	ALA103	99
ALA300	ARG53	52a		PRO339	TYR101	97
ASP301	SER52	52		ASP340	TYR101	97
ASP301	GLY56	55		ALA443	TYR101	97
LEU302	TYR57	56		PHE374	THR104	100
PRO303	TYR57	56		PHE374	TYR108	100d
LEU305	ALA103	99		ASP375	ARG47	47
ALA306	TYR59	58		ASP375	SER106	100b
GLU311	LYS65	64		LYS378	GLU107	100c
TYR334	ALA103	99		LYS378	TYR108	100d
ARG337	TRP102	98		VAL381	TYR108	100d

(*) Note: numbering according to the amino acid residues in the sequence of SEQ ID NO:15. For ease of reference, ARG53, TYR101, GLU107 and TYR108 (some of the most important residues in the interaction between SEQ ID NO:15 and human serum albumin) have been indicated in bold/underline in the sequence below:

EVQLVESGGGLVQAGGSLRLSCAASGLTFSSYAMGWFRQAPGKERERVVSIS**R**GGGYTYYADSVKGRFTISRDNAENTVYLQMNSLKPED TAVYYCAAAR**Y**WATGS**EY**EFDYWGQGTLVTVSS [SEQ ID NO:15]

Figure 11

```
Mouse   MKWVTFLLLLFVSGSAFSR---GVFRREA---HKSEIAHRYNDLGEQHFKGLVLIAFSQY 54
Rat     MKWVTFLLLLFISGSAFSR---GVFRREA---HKSEIAHRFKDLGEQHFKGLVLIAFSQY 54
Dog     MKWVTFISLFFLFSSAYSR---GLVRREA---YKSEIAHRYNDLGEEHFRGLVLVAFSQY 54
Cat     MKWVTFISLLLLFSSAYSR---GVTRREA---HQSEIAHRFNDLGEEHFRGLVLVAFSQY 54
Human   MKWVTFISLLFLFSSAYSR---GVFRRDA---HKSEVAHRFKDLGEENFKALVLIAFAQY 54
Cow     MKWVTFISLLLLFSSAYSR---GVFRRDT---HKSEIAHRFKDLGEEHFKGLVLIAFSQY 54
Sheep   MKWVTFISLLLLFSSAYSR---GVFRRDT---HKSEIAHRFNDLGEENFQGLVLIAFSQY 54
Pig     MKWVTFISLLFLFSSAYSR---GVFRRDT---YKSEIAHRFKDLGEQYFKGLVLIAFSQH 54
Horse   MKWVTFVSLLFLFSSAYSR---GVLRRDT---HKSEIAHRFNDLGEKHFKGLVLVAFSQY 54
Rabbit  MKWVTFISLLFLFSSAYSR---GVFRREA---HKSEIAHRFNDVGEEHFIGLVLITFSQY 54

Mouse   LQKCSYDEHAKLVQEVTDFAKTCVADESAANCDKSLHTLFGDKLCAIPNLRENYGELADC 114
Rat     LQKCPYEEHIKLVQEVTDFAKTCVADENAENCDKSIHTLFGDKLCAIPKLRDNYGELADC 114
Dog     LQQCPFEDHVKLAKEVTEFAKACAAEESGANCDKSLHTLFGDKLCTVASLRDKYGDMADC 114
Cat     LQQCPFEDHVKLVNEVTEFAKGCVADQSAANCEKSLHELLGDKLCTVASLRDKYGEMADC 114
Human   LQQCPFEDHVKLVNEVTEFAKTCVADESAENCDKSLHTLFGDKLCTVATLRETYGEMADC 114
Cow     LQQCPFDEHVKLVNELTEFAKTCVADESHAGCEKSLHTLFGDELCKVASLRETYGDMADC 114
Sheep   LQQCPFDEHVKLVKELTEFAKTCVADESHAGCDKSLHTLFGDELCKVATLRETYGDMADC 114
Pig     LQQCPYEEHVKLVREVTEFAKTCVADESAENCDKSIHTLFGDKLCAIPSLREHYGDLADC 114
Horse   LQQCPFEDHVKLVNEVTEFAKKCAADESAENCDKSLHTLFGDKLCTVATLRATYGELADC 114
Rabbit  LQKCPYEEHAKLVKEVTDLAKACVADESAANCDKSLHDIFGDKICALPSLRDTYGDVADC 114

Mouse   CTKQEPERNECFLQHKDDNPSLP-PFERPEAEAMCTSFKENPTTFMGHYLHEVARRHPYF 173
Rat     CAKQEPERNECFLQHKDDNPNLP-PFQRPEAEAMCTSFQENPTSFLGHYLHEVARRHPYF 173
Dog     CEKQEPDRNECFLAHKDDNPGFP-PLVAPEPDALCAAFQDNEQLFLGKYLYEIARRHPYF 173
Cat     CEKKEPERNECFLQHKDDNPGFG-QLVTPEADAMCTAFHENEQRFLGKYLYEIARRHPYF 173
Human   CAKQEPERNECFLQHKDDNPNLP-RLVRPEVDVMCTAFHDNEETFLKKYLYEIARRHPYF 173
Cow     CEKQEPERNECFLSHKDDSPDLP-KLK-PDPNTLCDEFKADEKKFWGKYLYEIARRHPYF 172
Sheep   CEKQEPERNECFLNHKDDSPDLP-KLK-PEPDTLCAEFKADEKKFWGKYLYEVARRHPYF 172
Pig     CEKEEPERNECFLQHKNDNPDIP-KLK-PDPVALCADFQEDEQKFWGKYLYEIARRHPYF 172
Horse   CEKQEPERNECFLTHKDDHPNLP-KLK-PEPDAQCAAFQEDPDKFLGKYLYEVARRHPYF 172
Rabbit  CEKKEPERNECFLHHKDDKPDLP-PFARPEADVLCKAFHDDEKAFFGHYLYEVARRHPYF 173

Mouse   YAPELLYYAEQYNEILTQCCAEADKESCLTPKLDGVKEKALVSSVRQRMKCSSMQKFGER 233
Rat     YAPELLYYAEKYNEVLTQCCTESDKAACLTPKLDAVKEKALVAAVRQRMKCSSMQRFGER 233
Dog     YAPELLYYAQQYKGVFAECCQAADKAACLGPKIEALREKVLLSSAKERFKCASLQKFGDR 233
Cat     YAPELLYYAEEYKGVFTECCEAADKAACLTPKVDALREKVLASSAKERLKCASLQKFGER 233
Human   YAPELLFFAKRYKAAFTECCQAADKAACLLPKLDELRDEGKASSAKQRLKCASLQKFGER 233
Cow     YAPELLYYANKYNGVFQECCQAEDKGACLLPKIETMREKVLTSSARQRLRCASIQKFGER 232
Sheep   YAPELLYYANKYNGVFQECCQAEDKGACLLPKIDAMREKVLASSARQRLRCASIQKFGER 232
Pig     YAPELLYYAIIYKDVFSECCQAADKAACLLPKIEHLREKVLTSAAKQRLKCASIQKFGER 232
Horse   YGPELLFHAEEYKADFTECCPADDKLACLIPKLDALKERILLSSAKERLKCSSFQNFGER 232
Rabbit  YAPELLYYAQKYKAILTECCEAADKGACLTPKLDALEGKSLISAAQERLRCASIQKFGDR 233

Mouse   AFKAWAVARLSQTFPNADFAEITKLATDLTKVNKECCHGDLLECADDRAELAKYMCENQA 293
Rat     AFKAWAVARMSQRFPNAEFAEITKLATDLTKINKECCHGDLLECADDRAELAKYMCENQA 293
Dog     AFKAWSVARLSQRFPKADFAEISKVVTDLTKVHKECCHGDLLECADDRADLAKYMCENQD 293
Cat     AFKAWSVARLSQKFPKAEFAEISKLVTDLAKIHKECCHGDLLECADDRADLAKYICENQD 293
Human   AFKAWAVARLSQRFPKAEFAEVSKLVTDLTKVHTECCHGDLLECADDRADLAKYICENQD 293
Cow     ALKAWSVARLSQKFPKAEFVEVTKLVTDLTKVHKECCHGDLLECADDRADLAKYICDNQD 292
Sheep   ALKAWSVARLSQKFPKADFTDVTKIVTDLTKVHKECCHGDLLECADDRADLAKYICDHQD 292
Pig     AFKAWSLARLSQRFPKADFTEISKIVTDLAKVHKECCHGDLLECADDRADLAKYICENQD 292
Horse   AVKAWSVARLSQKFPKADFAEVSKIVTDLTKVHKECCHGDLLECADDRADLAKYICEHQD 292
Rabbit  AYKAWALVRLSQRFPKADFTDISKIVTDLTKVHKECCHGDLLECADDRADLAKYMCEHQE 293
```

Figure 11(continued)

```
Mouse    TISSKLQTCCDKPLLKKAHCLSEVEHDTMPADLPAIAADFVEDQEVCKNYAEAKDVFLGT 353
Rat      TISSKLQACCDKPVLQKSQCLAEIEHDNIPADLPSIAADFVEDKEVCKNYAEAKDVFLGT 353
Dog      SISTKLKECCDKPVLEKSQCLAEVERDELPGDLPSLAADFVEDKEVCKNYQEAKDVFLGT 353
Cat      SISTKLKECCGKPVLEKSHCISEVERDELPADLPPLAVDFVEDKEVCKNYQEAKDVFLGT 353
Human    SISSKLKECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGM 353
Cow      TISSKLKECCDKPLLEKSHCIAEVEKDAIPENLPPLTADFAEDKDVCKNYQEAKDAFLGS 352
Sheep    ALSSKLKECCDKPVLEKSHCIAEVDKDAVPENLPPLTADFAEDKEVCKNYQEAKDVFLGS 352
Pig      TISTKLKECCDKPLLEKSHCIAEAKRDELPADLNPLEHDFVEDKEVCKNYKEAKHVFLGT 352
Horse    SISGKLKACCDKPLLQKSHCIAEVKEDDLPSDLPALAADFAEDKEICKHYKDAKDVFLGT 352
Rabbit   TISSHLKECCDKPILEKAHCIYGLHNDETPAGLPAVAEEFVEDKDVCKNYEEAKDLFLGK 353

Mouse    FLYEYSRRHPDYSVSLLLRLAKKYEATLEKCCAEANPPACYGTVLAEFQPLVEEPKNLVK 413
Rat      FLYEYSRRHPDYSVSLLLRLAKKYEATLEKCCAEGDPPACYGTVLAEFQPLVEEPKNLVK 413
Dog      FLYEYARRHPEYSVSLLLRLAKEYEATLEKCCATDDPPTCYAKVLDEFKPLVDEPQNLVK 413
Cat      FLYEYSRRHPEYSVSLLLRLAKEYEATLEKCCATDDPPACYAHVFDEFKPLVEEPHNLVK 413
Human    FLYEYARRHPDYSVVLLLRLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIK 413
Cow      FLYEYSRRHPEYAVSVLLRLAKEYEATLEECCAKDDPHACYSTVFDKLKHLVDEPQNLIK 412
Sheep    FLYEYSRRHPEYAVSVLLRLAKEYEATLEDCCAKEDPHACYATVFDKLKHLVDEPQNLIK 412
Pig      FLYEYSRRHPDYSVSLLLRIAKIYEATLEDCCAKEDPPACYATVFDKFQPLVDEPKNLIK 412
Horse    FLYEYSRRHPDYSVSLLLRIAKTYEATLEKCCAEADPPACYRTVFDQFTPLVEEPKSLVK 412
Rabbit   FLYEYSRRHPDYSVVLLLRLGKAYEATLKKCCATDDPHACYAKVLDEFQPLVDEPKNLVK 413

Mouse    TNCDLYEKLGEYGFQNAILVRYTQKAPQVSTPTLVEAARNLGRVGTKCCTLPEDQRLPCV 473
Rat      TNCELYEKLGEYGFQNAILVRYTQKAPQVSTPTLVEAARNLGRVGTKCCTLPEAQRLPCV 473
Dog      TNCELFEKLGEYGFQNALLVRYTKKAPQVSTPTLVEVSRKLGKVGTKCCKKPESERMSCA 473
Cat      TNCELFEKLGEYGFQNALLVRYTKKVPQVSTPTLVEVSRSLGKVGSKCCTHPEAERLSCA 473
Human    QNCELFEQLGEYKFQNALLVRYTKKVPQVSTPTLVEVSRNLGKVGSKCCKHPEAKRMPCA 473
Cow      QNCDQFEKLGEYGFQNALIVRYTRKVPQVSTPTLVEVSRSLGKVGTRCCTKPESERMPCT 472
Sheep    KNCELFEKHGEYGFQNALIVRYTRKAPQVSTPTLVEISRSLGKVGTKCCAKPESERMPCT 472
Pig      QNCELFEKLGEYGFQNALIVRYTKKVPQVSTPTLVEVARKLGLVGSRCCKRPEEERLSCA 472
Horse    KNCDLFEEVGEYDFQNALIVRYTKKAPQVSTPTLVEIGRTLGKVGSRCCKLPESERLPCS 472
Rabbit   QNCELYEQLGDYNFQNALLVRYTKKVPQVSTPTLVEISRSLGKVGSKCCKHPEAERLPCV 473

Mouse    EDYLSAILNRVCLLHEKTPVSEHVTKCCSGSLVERRPCFSALTVDETYVPKEFKAETFTF 533
Rat      EDYLSAILNRLCVLHEKTPVSEKVTKCCSGSLVERRPCFSALTVDETYVPKEFKAETFTF 533
Dog      EDFLSVVLNRLCVLHEKTPVSERVTKCCSESLVNRRPCFSGLEVDETYVPKEFNAETFTF 533
Cat      EDYLSVVLNRLCVLHEKTPVSERVTKCCTESLVNRRPCFSALQVDETYVPKEFSAETFTF 533
Human    EDYLSVVLNQLCVLHEKTPVSDRVTKCCTESLVNRRPCFSALEVDETYVPKEFNAETFTF 533
Cow      EDYLSLILNRLCVLHEKTPVSEKVTKCCTESLVNRRPCFSALTPDETYVPKAFDEKLFTF 532
Sheep    EDYLSLILNRLCVLHEKTPVSEKVTKCCTESLVNRRPCFSDLTLDETYVPKPFDEKFFTF 532
Pig      EDYLSLVLNRLCVLHEKTPVSEKVTKCCTESLVNRRPCFSALTPDETYKPKEFVEGTFTF 532
Horse    ENHLALALNRLCVLHEKTPVSEKITKCCTDSLAERRPCFSALELDEGYVPKEFKAETFTF 532
Rabbit   EDYLSVVLNRLCVLHEKTPVSEKVTKCCSESLVDRRPCFSALGPDETYVPKEFNAETFTF 533

Mouse    HSDICTLPEKEKQIKKQTALAELVKHKPKATAEQLKTVMDDFAQFLDTCCKAADKDTCFS 593
Rat      HSDICTLPDKEKQIKKQTALAELVKHKPKATEDQLKTVMGDFAQFVDKCCKAADKDNCFA 593
Dog      HADLCTLPEAEKQVKKQTALVELLKHKPKATDEQLKTVMGDFGAFVEKCCAAENKEGCFS 593
Cat      HADLCTLPEAEKQIKKQSALVELLKHKPKATEEQLKTVMGDFGSFVDKCCAAEDKEACFA 593
Human    HADICTLSEKERQIKKQTALVELVKHKPKATKEQLKAVMDDFAAFVEKCCKADDKETCFA 593
Cow      HADICTLPDTEKQIKKQTALVELLKHKPKATEEQLKTVMENFVAFVDKCCAADDKEACFA 592
Sheep    HADICTLPDTEKQIKKQTALVELLKHKPKATDEQLKTVMENFVAFVDKCCAADDKEGCFV 592
Pig      HADLCTLPEDEKQIKKQTALVELLKHKPHATEEQLRTVLGNFAAFVQKCCAAPDHEACFA 592
Horse    HADICTLPEDEKQIKKQSALAELVKHKPKATKEQLKTVLGNFSAFVAKCCGREDKEACFA 592
Rabbit   HADICTLPETERKIKKQTALVELVKHKPHATNDQLKTVVGEFTALLDKCCSAEDKEACFA 593
```

Figure 11(continued)

```
Mouse    TEGPNLVTRCKDTLA--- 608
Rat      TEGPNLVARSKEALA--- 608
Dog      EEGPKLVAAAQAALV--- 608
Cat      EEGPKLVAAAQAALA--- 608
Human    EEGKKLVAASQAALGL-- 609
Cow      VEGPKLVVSTQTALA--- 607
Sheep    LEGPKLVASTQAALA--- 607
Pig      VEGPKFVIEIRGILA--- 607
Horse    EEGPKLVASSQLALA--- 607
Rabbit   VEGPKLVESSKATLG--- 608
```