

S3 Table. Range of kinetic rate constants implemented in sensitivity analysis.

Biochemical reaction	Rate constant	Value	Source
Hydrolysis of C3(H ₂ O)	$k_{C3(H_2O)}^+$	$4.5 \times 10^{-6} \text{ s}^{-1}$	$4.5 \times 10^{-7} - 4.5 \times 10^{-5} \text{ s}^{-1}$
Association of Factor B to C3(H ₂ O)	$k_{C3(H_2O)B}^+$	$1.1 \times 10^4 \text{ M}^{-1} \text{ s}^{-1}$	$1.1 \times 10^3 - 1.1 \times 10^5 \text{ M}^{-1} \text{ s}^{-1}$
Dissociation of complex C3(H ₂ O)B	$k_{C3(H_2O)B}^-$	$1.4 \times 10^{-3} \text{ s}^{-1}$	$1.4 \times 10^{-4} - 1.4 \times 10^{-2} \text{ s}^{-1}$
Association of Factor H to C3(H ₂ O)	$k_{C3(H_2O)H}^+$	$1.1 \times 10^6 \text{ M}^{-1} \text{ s}^{-1}$	$1.1 \times 10^5 - 1.1 \times 10^7 \text{ M}^{-1} \text{ s}^{-1}$
Dissociation of complex C3(H ₂ O)H	$k_{C3(H_2O)H}^-$	$6.0 \times 10^{-2} \text{ s}^{-1}$	$6.0 \times 10^{-3} - 6.0 \times 10^{-1} \text{ s}^{-1}$
Association of Factor H-like protein 1 to C3(H ₂ O)	$k_{C3(H_2O)FHL1}^+$	$1.8 \times 10^4 \text{ M}^{-1} \text{ s}^{-1}$	$1.8 \times 10^3 - 1.8 \times 10^5 \text{ M}^{-1} \text{ s}^{-1}$
Dissociation of complex C3(H ₂ O)FHL1	$k_{C3(H_2O)FHL1}^-$	$1.9 \times 10^{-2} \text{ s}^{-1}$	$1.9 \times 10^{-3} - 1.9 \times 10^{-1} \text{ s}^{-1}$
Dissociation of complex C3(H ₂ O)Bb	$k_{C3(H_2O)Bb}^-$	$9.0 \times 10^{-3} \text{ s}^{-1}$	$9.0 \times 10^{-4} - 9.0 \times 10^{-2} \text{ s}^{-1}$
Association of Factor B to C3b	k_{C3bB}^+	$21.3 \times 10^4 \text{ M}^{-1} \text{ s}^{-1}$	$21.3 \times 10^3 - 21.3 \times 10^5 \text{ M}^{-1} \text{ s}^{-1}$
Dissociation of complex C3bB	k_{C3bB}^-	$15.5 \times 10^{-2} \text{ s}^{-1}$	$15.5 \times 10^{-3} - 15.5 \times 10^{-1} \text{ s}^{-1}$
Dissociation of complex C3bBb	k_{C3bBb}^-	$7.7 \times 10^{-3} \text{ s}^{-1}$	$7.7 \times 10^{-4} - 7.7 \times 10^{-2} \text{ s}^{-1}$
Dissociation of complex C3bBbP	k_{C3bBbP}^-	$7.7 \times 10^{-4} \text{ s}^{-1}$	$7.7 \times 10^{-5} - 7.7 \times 10^{-3} \text{ s}^{-1}$
Dissociation of complex C4bC2a	k_{C4bC2a}^-	$4.0 \times 10^{-3} \text{ s}^{-1}$	$4.0 \times 10^{-4} - 4.0 \times 10^{-2} \text{ s}^{-1}$
Association of Properdin to C3b	k_{C3bP}^+	$1.5 \times 10^5 \text{ M}^{-1} \text{ s}^{-1}$	$1.5 \times 10^4 - 1.5 \times 10^6 \text{ M}^{-1} \text{ s}^{-1}$

Dissociation of complex C3bP	k_{C3bP}^-	$15.3 \times 10^{-5} \text{ s}^{-1}$	$15.3 \times 10^{-6} - 15.3 \times 10^{-4} \text{ s}^{-1}$
Attachment of nfC3b to host cell or pathogen	k_{hC3b}^+ or k_{pC3b}^+	$4.2 \times 10^8 \text{ M}^{-1} \text{ s}^{-1}$	$4.2 \times 10^7 - 4.2 \times 10^9 \text{ M}^{-1} \text{ s}^{-1}$
Association of nfC3b to water	k_{fC3b}^+	$4.2 \times 10^8 \text{ M}^{-1} \text{ s}^{-1}$	$4.2 \times 10^7 - 4.2 \times 10^9 \text{ M}^{-1} \text{ s}^{-1}$
Association of nfC3b to C3b	k_{C3bC3b}^+	$4.2 \times 10^8 \text{ M}^{-1} \text{ s}^{-1}$	$4.2 \times 10^7 - 4.2 \times 10^9 \text{ M}^{-1} \text{ s}^{-1}$
Association of nfC3b to IgG	k_{IgGC3b}^+	$4.2 \times 10^8 \text{ M}^{-1} \text{ s}^{-1}$	$4.2 \times 10^7 - 4.2 \times 10^9 \text{ M}^{-1} \text{ s}^{-1}$
Association of nfC3b/nfC4b to C4b/C3b	k_{C3bC4b}^+	$4.2 \times 10^8 \text{ M}^{-1} \text{ s}^{-1}$	$4.2 \times 10^7 - 4.2 \times 10^9 \text{ M}^{-1} \text{ s}^{-1}$
Attachment of nfC4b to host cell or pathogen	k_{hC4b}^+ or k_{pC4b}^+	$4.2 \times 10^8 \text{ M}^{-1} \text{ s}^{-1}$	$4.2 \times 10^7 - 4.2 \times 10^9 \text{ M}^{-1} \text{ s}^{-1}$
Association of nfC4b to water	k_{fC4b}^+	$4.2 \times 10^8 \text{ M}^{-1} \text{ s}^{-1}$	$4.2 \times 10^7 - 4.2 \times 10^9 \text{ M}^{-1} \text{ s}^{-1}$
Association of nfC4b to C4b	k_{C4bC4b}^+	$4.2 \times 10^8 \text{ M}^{-1} \text{ s}^{-1}$	$4.2 \times 10^7 - 4.2 \times 10^9 \text{ M}^{-1} \text{ s}^{-1}$
Association of Factor H to C3b	k_{C3bH}^+	$1.1 \times 10^6 \text{ M}^{-1} \text{ s}^{-1}$	$1.1 \times 10^5 - 1.1 \times 10^7 \text{ M}^{-1} \text{ s}^{-1}$
Dissociation of complex C3bH	k_{C3bH}^-	$6.0 \times 10^{-2} \text{ s}^{-1}$	$6.0 \times 10^{-3} - 6.0 \times 10^{-1} \text{ s}^{-1}$
Association of Factor H-like protein 1 to C3b	$k_{C3bFHL1}^+$	$1.8 \times 10^4 \text{ M}^{-1} \text{ s}^{-1}$	$1.8 \times 10^3 - 1.8 \times 10^5 \text{ M}^{-1} \text{ s}^{-1}$
Dissociation of complex C3bFHL1	$k_{C3bFHL1}^-$	$1.9 \times 10^{-2} \text{ s}^{-1}$	$1.9 \times 10^{-3} - 1.9 \times 10^{-1} \text{ s}^{-1}$
Decay of convertase by inhibitor C4BP	$k_{C4bC2aC4BP_{decay}}^-$	$1.7 \times 10^{-2} \text{ s}^{-1}$	$1.7 \times 10^{-3} - 1.7 \times 10^{-1} \text{ s}^{-1}$

Decay of C3 convertase by inhibitor Factor H	$k_{\text{C3bBbH}_{\text{decay}}}^-$	$1.7 \times 10^{-2} \text{ s}^{-1}$	$1.7 \times 10^{-3} - 1.7 \times 10^{-1} \text{ s}^{-1}$
Decay of convertase by inhibitor Factor H-like protein 1	$k_{\text{C3bBbFHL1}_{\text{decay}}}^-$	$3.3 \times 10^{-2} \text{ s}^{-1}$	$3.3 \times 10^{-3} - 3.3 \times 10^{-1} \text{ s}^{-1}$
Decay of convertase by inhibitor Factor H	$k_{\text{C3(H}_2\text{O)BbH}_{\text{decay}}}^-$	$1.7 \times 10^{-2} \text{ s}^{-1}$	$1.7 \times 10^{-3} - 1.7 \times 10^{-1} \text{ s}^{-1}$
Decay of convertase by inhibitor Factor H-like protein 1	$k_{\text{C3(H}_2\text{O)BbFHL1}_{\text{decay}}}^-$	$3.3 \times 10^{-2} \text{ s}^{-1}$	$3.3 \times 10^{-3} - 3.3 \times 10^{-1} \text{ s}^{-1}$
Association of C4BP to C4b	k_{C4bC4BP}^+	$2.0 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$	$2.0 \times 10^4 - 2.0 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of complex C4bC4BP	k_{C4bC4BP}^-	$1.6 \times 10^{-2} \text{ s}^{-1}$	$1.6 \times 10^{-3} - 1.6 \times 10^{-1} \text{ s}^{-1}$
Association of C2 to C4b	k_{C4bC2}^+	$1.6 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$	$1.6 \times 10^5 - 1.6 \times 10^7 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of complex C4bC2	k_{C4bC2}^-	$4.2 \times 10^{-3} \text{ s}^{-1}$	$4.2 \times 10^{-4} - 4.2 \times 10^{-2} \text{ s}^{-1}$
Association of C1q to (C1rC1s) ₂	k_{C1}^+	$0.82 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$	$0.82 \times 10^5 - 0.82 \times 10^7 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of complex C1	k_{C1}^-	$1.2 \times 10^{-3} \text{ s}^{-1}$	$1.2 \times 10^{-4} - 1.2 \times 10^{-2} \text{ s}^{-1}$
Activation of C1	$k_{\text{activation}}^+$	$2.1 \times 10^{-5} \text{ s}^{-1}$	$2.1 \times 10^{-6} - 2.1 \times 10^{-4} \text{ s}^{-1}$
Association of C1-INH to C1*	$k_{\text{C1*C1INH}}^+$	$4.3 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$	$4.3 \times 10^4 - 4.3 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of complex C3bC3bBb/IgGC3bC3bBb	k_{C3bC3bBb}^-	$5.7 \times 10^{-3} \text{ s}^{-1}$	$5.7 \times 10^{-4} - 5.7 \times 10^{-2} \text{ s}^{-1}$
Dissociation of complex C3bC3bBbP	$k_{\text{C3bC3bBbP}}^-$	$5.7 \times 10^{-4} \text{ s}^{-1}$	$5.7 \times 10^{-5} - 5.7 \times 10^{-3} \text{ s}^{-1}$

Dissociation of complex C3bC4bBb	$k_{C3bC4bBb}^-$	$5.7 \times 10^{-3} \text{ s}^{-1}$	$5.7 \times 10^{-4} - 5.7 \times 10^{-2} \text{ s}^{-1}$
Dissociation of complex C3bC4bBbP	$k_{C3bC4bBbP}^-$	$5.7 \times 10^{-4} \text{ s}^{-1}$	$5.7 \times 10^{-5} - 5.7 \times 10^{-3} \text{ s}^{-1}$
Dissociation of complex C3bC4bC2a	$k_{C3bC4bC2a}^-$	$5.0 \times 10^{-3} \text{ s}^{-1}$	$5.0 \times 10^{-4} - 5.0 \times 10^{-2} \text{ s}^{-1}$
Dissociation of complex C4bC4bC2a	$k_{C4bC4bC2a}^-$	$6.0 \times 10^{-3} \text{ s}^{-1}$	$6.0 \times 10^{-4} - 6.0 \times 10^{-2} \text{ s}^{-1}$
Dissociation from complex C5b	k_{C5b*}^-	$5.0 \times 10^{-3} \text{ s}^{-1}$	$5.0 \times 10^{-4} - 5.0 \times 10^{-2} \text{ s}^{-1}$
Association of C6 to C5b	k_{C5bC6}^+	$6.0 \times 10^4 \text{ M}^{-1} \text{ s}^{-1}$	$6.0 \times 10^3 - 6.0 \times 10^5 \text{ M}^{-1} \text{ s}^{-1}$
Dissociation of complex C5bC6	k_{C5bC6}^-	$9.0 \times 10^{-8} \text{ s}^{-1}$	$9.0 \times 10^{-9} - 9.0 \times 10^{-7} \text{ s}^{-1}$
Association of C7 to C5bC6	k_{C5b7}^+	$7.3 \times 10^5 \text{ M}^{-1} \text{ s}^{-1}$	$7.3 \times 10^4 - 7.3 \times 10^6 \text{ M}^{-1} \text{ s}^{-1}$
Dissociation of complex C5bC6C7	k_{C5b7}^-	$1.5 \times 10^{-7} \text{ s}^{-1}$	$1.5 \times 10^{-8} - 1.5 \times 10^{-6} \text{ s}^{-1}$
Attachment of C5b7 to host cell or pathogen	$k_{C5b7_{\text{surface}}}^+$	$4.2 \times 10^8 \text{ M}^{-1} \text{ s}^{-1}$	$4.2 \times 10^7 - 4.2 \times 10^9 \text{ M}^{-1} \text{ s}^{-1}$
Formation of C5b7 micelle in fluid	k_{micelle}^+	69.3 s^{-1}	$6.93 - 693 \text{ s}^{-1}$
Association of C8 to C5b7	k_{C5b8}^+	$1.1 \times 10^6 \text{ M}^{-1} \text{ s}^{-1}$	$1.1 \times 10^5 - 1.1 \times 10^7 \text{ M}^{-1} \text{ s}^{-1}$
Dissociation of complex C5b8	k_{C5b8}^-	$9.8 \times 10^{-7} \text{ s}^{-1}$	$9.8 \times 10^{-8} - 9.8 \times 10^{-6} \text{ M}^{-1} \text{ s}^{-1}$
Association of C9 to C5b8	k_{C5b9}^+	$2.8 \times 10^6 \text{ M}^{-1} \text{ s}^{-1}$	$2.8 \times 10^5 - 2.8 \times 10^7 \text{ M}^{-1} \text{ s}^{-1}$
Dissociation of complex C5b9	k_{C5b9}^-	$2.8 \times 10^{-7} \text{ s}^{-1}$	$2.8 \times 10^{-8} - 2.8 \times 10^{-6} \text{ M}^{-1} \text{ s}^{-1}$

Association of C9 ₁ to surface C5b8	$k_{C5b9_1}^+$	$7.8 \times 10^2 \text{ M}^{-1}\text{s}^{-1}$	$7.8 \times 10^1 - 7.8 \times 10^3 \text{ M}^{-1}\text{s}^{-1}$
Association of C9 _{n>=2} to surface C5b9 ₁	$k_{C5b9_{poly}}^+$	$1.1 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$	$1.1 \times 10^4 - 1.1 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$
Association of Cn to C5b7	k_{CnC5b7}^+	$2.4 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$	$2.4 \times 10^4 - 2.4 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of complex CnC5b7	k_{CnC5b7}^-	$4.0 \times 10^{-3} \text{ s}^{-1}$	$4.0 \times 10^{-4} - 4.0 \times 10^{-2} \text{ s}^{-1}$
Association of Cn to C5b8	k_{CnC5b8}^+	$4.2 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$	$4.2 \times 10^4 - 4.2 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of complex CnC5b8	k_{CnC5b8}^-	$4.0 \times 10^{-3} \text{ s}^{-1}$	$4.0 \times 10^{-4} - 4.0 \times 10^{-2} \text{ s}^{-1}$
Association of Cn to C5b9	k_{CnC5b9}^+	$4.2 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$	$4.2 \times 10^4 - 4.2 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of complex CnC5b9	k_{CnC5b9}^-	$4.0 \times 10^{-3} \text{ s}^{-1}$	$4.0 \times 10^{-4} - 4.0 \times 10^{-2} \text{ s}^{-1}$
Association of Vn to C5b7	k_{VnC5b7}^+	$2.4 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$	$2.4 \times 10^4 - 2.4 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of complex VnC5b7	k_{VnC5b7}^-	$4.0 \times 10^{-3} \text{ s}^{-1}$	$4.0 \times 10^{-4} - 4.0 \times 10^{-2} \text{ s}^{-1}$
Association of Vn to C5b8	k_{VnC5b8}^+	$4.2 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$	$4.2 \times 10^4 - 4.2 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of complex VnC5b8	k_{VnC5b8}^-	$4.0 \times 10^{-3} \text{ s}^{-1}$	$4.0 \times 10^{-4} - 4.0 \times 10^{-2} \text{ s}^{-1}$
Association of Vn to C5b9	k_{VnC5b9}^+	$4.2 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$	$4.2 \times 10^4 - 4.2 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of complex VnC5b9	k_{VnC5b9}^-	$4.0 \times 10^{-3} \text{ s}^{-1}$	$4.0 \times 10^{-4} - 4.0 \times 10^{-2} \text{ s}^{-1}$

Association of complement Factor H-related protein 3 to C3b	k_{C3bCFHR3}^+	$1.7 \times 10^4 \text{ M}^{-1}\text{s}^{-1}$	$1.7 \times 10^3 - 1.7 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of complex C3bCFHR3	k_{C3bCFHR3}^-	$1.4 \times 10^{-3} \text{ s}^{-1}$	$1.4 \times 10^{-4} - 1.4 \times 10^{-2} \text{ s}^{-1}$
Association of CFHR3 to pathogen surface	k_{pCFHR3}^+	$1.4 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$	$1.4 \times 10^5 - 1.4 \times 10^7 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of PathogenCFHR3	k_{pCFHR3}^-	$4.1 \times 10^{-3} \text{ s}^{-1}$	$4.1 \times 10^{-4} - 4.1 \times 10^{-2} \text{ s}^{-1}$
Association of FH to pathogen surface	k_{pFH}^+	$1.6 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$	$1.6 \times 10^5 - 1.6 \times 10^7 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of fHbpFH	k_{pFH}^-	$4.5 \times 10^{-3} \text{ s}^{-1}$	$4.5 \times 10^{-4} - 4.5 \times 10^{-2} \text{ s}^{-1}$
Association of FHL-1 to pathogen surface	k_{FhbpFHL1}^+	$1.6 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$	$1.6 \times 10^5 - 1.6 \times 10^7 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of fHbpFHL1	k_{FhbpFHL1}^-	$4.5 \times 10^{-3} \text{ s}^{-1}$	$4.5 \times 10^{-4} - 4.5 \times 10^{-2} \text{ s}^{-1}$
Association of C4BP to pathogen surface	k_{pC4BP}^+	$1.6 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$	$1.6 \times 10^5 - 1.6 \times 10^7 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of porAC4BP	k_{pC4BP}^-	$4.5 \times 10^{-3} \text{ s}^{-1}$	$4.5 \times 10^{-4} - 4.5 \times 10^{-2} \text{ s}^{-1}$
Association of Vn to pathogen surface	k_{pVn}^+	$1.6 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$	$1.6 \times 10^5 - 1.6 \times 10^7 \text{ M}^{-1}\text{s}^{-1}$
Dissociation of MsfVn	k_{pVn}^-	$4.5 \times 10^{-3} \text{ s}^{-1}$	$4.5 \times 10^{-4} - 4.5 \times 10^{-2} \text{ s}^{-1}$

Cleavage of C3 by C3 convertase, C3(H ₂ O)Bb	k_{cat} C3(H ₂ O)Bb K_m C3(H ₂ O)Bb	1.8 s^{-1} $10.6 \times 10^{-6} \text{ M}$	$0.18 - 18 \text{ s}^{-1}$ $10.6 \times 10^{-7} - 10.6 \times 10^{-5} \text{ M}$
Cleavage of C3 by C3 convertase, C3bBb	k_{cat} C3bBb K_m C3bBb	1.8 s^{-1} $5.9 \times 10^{-6} \text{ M}$	$0.18 - 18 \text{ s}^{-1}$ $5.9 \times 10^{-7} - 5.9 \times 10^{-5} \text{ M}$
Cleavage of C3 by convertase, IgGC3bC3bBb	k_{cat} C3bBb K_m C3bBb	1.8 s^{-1} $5.9 \times 10^{-6} \text{ M}$	$0.18 - 18 \text{ s}^{-1}$ $5.9 \times 10^{-7} - 5.9 \times 10^{-5} \text{ M}$
Cleavage of C5 by C3 convertase, C3bBb	k_{cat} C3bBb K_m C3bBb	$1.1 \times 10^{-2} \text{ s}^{-1}$ $24.0 \times 10^{-6} \text{ M}$	$1.1 \times 10^{-3} - 1.1 \times 10^{-1} \text{ s}^{-1}$ $24.0 \times 10^{-7} - 24.0 \times 10^{-5} \text{ M}$
Cleavage of C3 by C3 convertase, C4bC2a	k_{cat} C4bC2a K_m C4bC2a	3.2 s^{-1} $1.8 \times 10^{-6} \text{ M}$	$0.32 - 32 \text{ s}^{-1}$ $1.8 \times 10^{-7} - 1.8 \times 10^{-5} \text{ M}$
Cleavage of C5 by the C3 convertase, C4bC2a	k_{cat} C4bC2a K_m C4bC2a	$2.2 \times 10^{-2} \text{ s}^{-1}$ $8.9 \times 10^{-6} \text{ M}$	$2.2 \times 10^{-3} - 2.2 \times 10^{-1} \text{ s}^{-1}$ $8.9 \times 10^{-7} - 8.9 \times 10^{-5} \text{ M}$
Cleavage of C4 by activated C1, C1*	k_{cat} C1* K_m C1*	5.4 s^{-1} $6100 \times 10^{-9} \text{ M}$	$0.54 - 54 \text{ s}^{-1}$ $6100 \times 10^{-10} - 6100 \times 10^{-8} \text{ M}$
Cleavage of C2 by activated C1, C1*	k_{cat} C1* K_m C1*	5.1 s^{-1} $6.1 \times 10^{-6} \text{ M}$	$0.51 - 51 \text{ s}^{-1}$ $6.1 \times 10^{-7} - 6.1 \times 10^{-5} \text{ M}$
Activation of complex C3bB/C3(H ₂ O)B by enzyme Factor D	k_{cat} C3bB K_m C3bB	5.0 s^{-1} $2.5 \times 10^{-6} \text{ M}$	$0.50 - 50 \text{ s}^{-1}$ $2.5 \times 10^{-7} - 2.5 \times 10^{-5} \text{ M}$
Cleavage of C3b by inhibitor Factor I	k_{cat} C3bH K_m C3bH	1.3 s^{-1} $2.5 \times 10^{-7} \text{ M}$	$0.13 - 13 \text{ s}^{-1}$ $2.5 \times 10^{-8} - 2.5 \times 10^{-6} \text{ M}$
Cleavage of C5 by the C5 convertase, C3bC3bBb	k_{cat} C3bC3bBb K_m C3bC3bBb	$3.0 \times 10^{-3} \text{ s}^{-1}$ $1.7 \times 10^{-6} \text{ M}$	$3.0 \times 10^{-4} - 3.0 \times 10^{-2} \text{ s}^{-1}$ $1.7 \times 10^{-7} - 1.7 \times 10^{-5} \text{ M}$

Cleavage of C5 by the C5 convertase, C3bC4bBb	k_{cat} C3bC4bBb K_{m} C3bC4bBb	$3.0 \times 10^{-3} \text{ s}^{-1}$ $1.7 \times 10^{-6} \text{ M}$	$3.0 \times 10^{-4} - 3.0 \times 10^{-2} \text{ s}^{-1}$ $1.7 \times 10^{-7} - 1.7 \times 10^{-5} \text{ M}$
Cleavage of C5 by the C5 convertase, C3bC4bC2a	k_{cat} C3bC4bC2a K_{m} C3bC4bC2a	$1.8 \times 10^{-2} \text{ s}^{-1}$ $5.1 \times 10^{-9} \text{ M}$	$1.8 \times 10^{-3} - 1.8 \times 10^{-1} \text{ s}^{-1}$ $5.1 \times 10^{-10} - 5.1 \times 10^{-8} \text{ M}$
Cleavage of C5 by the C5 convertase, C4bC4bC2a	k_{cat} C4bC4bC2a K_{m} C4bC4bC2a	$3.0 \times 10^{-2} \text{ s}^{-1}$ $5.6 \times 10^{-6} \text{ M}$	$3.0 \times 10^{-3} - 3.0 \times 10^{-1} \text{ s}^{-1}$ $5.6 \times 10^{-7} - 5.6 \times 10^{-5} \text{ M}$
Cleavage of C3a by Carboxypeptidase N, CPN	k_{cat} CPN K_{m} CPN	57.9 s^{-1} $77.1 \times 10^{-6} \text{ M}$	$5.79 - 579 \text{ s}^{-1}$ $77.1 \times 10^{-7} - 77.1 \times 10^{-5} \text{ M}$
Cleavage of C5a by Carboxypeptidase N, CPN	k_{cat} CPN K_{m} CPN	9.3 s^{-1} $602.2 \times 10^{-6} \text{ M}$	$0.93 - 93 \text{ s}^{-1}$ $602.2 \times 10^{-7} - 602.2 \times 10^{-5} \text{ M}$