Table S2 Effect of the number of search parameters on selection of potentially influential parameters
The table derives from **Figure S5**, where details in the simulation method are described. Application of a threshold value of 10^{-8} to the amplitude sensitivities separates the potentially influential parameters (**Equation 10**), as marked in boldface. The kinetic parameters are sorted according to the minimum sensitivities in the descending order. The numbers of search parameters are 3 (A), 6 (B), 9 (C), 12 (D), 16 (E), 25 (F), and 36 (F), respectively. For a search parameter number of $\geq$ 12, the members of the seventeen potentially influential parameters are the same.

A																	
								3									
R[1]	***D[7]***	***A[2]***	***T[1]***	***K[2]***	***D[4]***	***R[3]***	***T[3]***	***D[10]***	***D[9]***	***D[11]***	***S[4]***	***S[3]***	***A[3]***	***D[1]***	***R[2]***	***V[2]***	***P[1]***
D[8]	***V[3]***	***D[3]***	***D[6]***	***S[5]***	***S[6]***	***D[2]***	***V[4]***	***A[1]***	***V[1]***	***S[2]***	***S[1]***	***D[5]***	***K[1]***	***K[4]***	*B[3]*	*B[2]*	*B[1]*
B																	
								6									
K[2]	***D[7]***	***D[1]***	***T[1]***	***P[1]***	***D[2]***	***R[1]***	***D[3]***	***V[2]***	***S[2]***	***S[1]***	***S[3]***	***S[4]***	***R[2]***	***D[6]***	***D[4]***	***D[5]***	***K[1]***
V[1]	***R[3]***	***T[3]***	***D[9]***	***D[10]***	***A[2]***	***D[11]***	***A[3]***	***V[3]***	***D[8]***	***S[5]***	***S[6]***	***K[4]***	*A[1]*	*V[4]*	*B[1]*	*B[2]*	*B[3]*
C																	
								9									
D[7]	***K[2]***	***S[4]***	***S[3]***	***R[1]***	***T[1]***	***D[3]***	***D[5]***	***P[1]***	***R[2]***	***D[6]***	***D[1]***	***D[2]***	***K[1]***	***S[1]***	***S[2]***	***D[4]***	***V[2]***
V[1]	*S[5]*	*S[6]*	*A[1]*	*A[2]*	*A[3]*	*R[3]*	*B[1]*	*B[2]*	*B[3]*	*V[3]*	*V[4]*	*D[8]*	*D[9]*	*D[10]*	*D[11]*	*T[3]*	*K[4]*
D																	
								12									
D[1]	***T[1]***	***D[4]***	***D[3]***	***S[3]***	***S[4]***	***D[5]***	***P[1]***	***D[7]***	***S[1]***	***S[2]***	***V[1]***	***K[1]***	***D[6]***	***V[2]***	***D[2]***	***K[2]***	*R[3]*
T[3]	*D[9]*	*D[10]*	*A[2]*	*A[1]*	*D[8]*	*D[11]*	*S[6]*	*S[5]*	*A[3]*	*R[1]*	*R[2]*	*B[1]*	*B[2]*	*B[3]*	*V[3]*	*V[4]*	*K[4]*
E																	
								16									
S[1]	***S[2]***	***D[1]***	***K[1]***	***D[4]***	***D[3]***	***P[1]***	***S[3]***	***S[4]***	***D[2]***	***D[6]***	***D[5]***	***T[1]***	***V[1]***	***D[7]***	***V[2]***	***K[2]***	*R[3]*
K[4]	*S[6]*	*A[3]*	*D[11]*	*V[3]*	*T[3]*	*A[1]*	*D[9]*	*D[10]*	*S[5]*	*A[2]*	*R[1]*	*R[2]*	*B[1]*	*B[2]*	*B[3]*	*V[4]*	*D[8]*
F																	
								25									
D[4]	***T[1]***	***K[2]***	***P[1]***	***D[7]***	***S[3]***	***K[1]***	***D[1]***	***D[2]***	***S[2]***	***V[1]***	***D[3]***	***D[6]***	***V[2]***	***S[1]***	***D[5]***	***S[4]***	S[5]
S[6]	*A[1]*	*A[2]*	*A[3]*	*R[1]*	*R[2]*	*R[3]*	*B[1]*	*B[2]*	*B[3]*	*V[3]*	*V[4]*	*D[8]*	*D[9]*	*D[10]*	*D[11]*	*T[3]*	*K[4]*
G																	
								36									
D[1]	***D[3]***	***K[1]***	***S[2]***	***P[1]***	***S[1]***	***D[4]***	***S[3]***	***S[4]***	***D[5]***	***V[1]***	***D[7]***	***T[1]***	***D[2]***	***K[2]***	***D[6]***	***V[2]***	*S[5]*
S[6]	*A[1]*	*A[2]*	*A[3]*	*R[1]*	*R[2]*	*R[3]*	*B[1]*	*B[2]*	*B[3]*	*V[3]*	*V[4]*	*D[8]*	*D[9]*	*D[10]*	*D[11]*	*T[3]*	*K[4]*