

	$\alpha_{Br}$	$\alpha_C$	$\alpha_{Cl}$	$\alpha_F$	$\alpha_H$	$\alpha_N$	$\alpha_O$	$\alpha_S$	$\beta_{Br}$	$\beta_C$	$\beta_{Cl}$	$\beta_F$	$\beta_H$	$\beta_N$	$\beta_O$	$\beta_S$	$\gamma_{Br}$	$\gamma_C$	$\gamma_{Cl}$	$\gamma_F$	$\gamma_H$	$\gamma_N$	$\gamma_O$	$\gamma_S$	$K$
$\alpha_{Br}$	1.0	0.3	0.4	0.4	0.4	0.3	0.4	0.3	-0.9	-0.3	-0.3	-0.3	-0.5	-0.3	-0.3	-0.1	-0.7	0.1	-0.1	-0.0	-0.1	0.1	0.1	0.2	0.3
$\alpha_C$	0.3	1.0	0.5	0.7	0.7	1.0	0.9	0.9	0.0	-0.2	-0.0	-0.1	0.1	-0.1	-0.1	-0.1	0.1	-0.1	0.0	-0.1	0.2	0.1	0.1	0.2	1.0
$\alpha_{Cl}$	0.4	0.5	1.0	0.5	0.4	0.5	0.5	0.4	-0.2	-0.2	-0.7	-0.2	-0.2	-0.2	-0.2	0.1	-0.1	0.1	-0.7	-0.2	-0.0	0.1	0.0	0.3	0.5
$\alpha_F$	0.4	0.7	0.5	1.0	0.5	0.7	0.7	0.5	-0.2	-0.4	-0.2	-0.6	-0.2	-0.3	-0.3	-0.0	-0.1	0.0	-0.1	-0.5	0.0	0.1	0.1	0.4	0.6
$\alpha_H$	0.4	0.7	0.4	0.5	1.0	0.7	0.7	0.7	-0.1	0.1	-0.0	-0.0	-0.3	0.1	0.0	0.0	-0.1	0.3	-0.0	-0.1	-0.5	0.1	0.1	0.2	0.8
$\alpha_N$	0.3	1.0	0.5	0.7	0.7	1.0	0.9	0.9	-0.0	-0.1	-0.0	-0.1	0.0	-0.1	-0.1	-0.0	0.0	0.0	-0.0	-0.1	0.1	-0.0	0.1	0.2	1.0
$\alpha_O$	0.4	0.9	0.5	0.7	0.7	0.9	1.0	0.8	-0.1	-0.3	-0.1	-0.2	-0.1	-0.4	-0.5	-0.1	0.0	0.1	-0.0	-0.1	0.1	0.2	-0.1	0.3	0.8
$\alpha_S$	0.3	0.9	0.4	0.5	0.7	0.9	0.8	1.0	0.0	-0.1	0.1	0.1	0.1	-0.0	0.0	-0.2	0.1	0.0	0.1	0.2	0.1	0.0	0.1	-0.1	0.9
$\beta_{Br}$	-0.9	0.0	-0.2	-0.2	-0.1	-0.0	-0.1	0.0	1.0	0.2	0.2	0.2	0.4	0.2	0.3	0.1	0.7	-0.0	0.1	0.0	0.1	-0.0	-0.0	-0.1	0.0
$\beta_C$	-0.3	-0.2	-0.2	-0.4	0.1	-0.1	-0.3	-0.1	0.2	1.0	0.2	0.5	0.3	0.8	0.7	0.5	-0.1	0.1	-0.1	-0.2	-0.1	-0.1	-0.2	-0.1	0.1
$\beta_{Cl}$	-0.3	-0.0	-0.7	-0.2	-0.0	-0.0	-0.1	0.1	0.2	0.2	1.0	0.3	0.3	0.3	0.2	-0.1	0.2	-0.1	0.6	0.2	0.1	-0.1	-0.0	-0.2	0.0
$\beta_F$	-0.3	-0.1	-0.2	-0.6	-0.0	-0.1	-0.2	0.1	0.2	0.5	0.3	1.0	0.3	0.4	0.4	0.1	0.2	-0.0	0.1	0.1	0.0	-0.1	-0.1	-0.4	0.0
$\beta_H$	-0.5	0.1	-0.2	-0.2	-0.3	0.0	-0.1	0.1	0.4	0.3	0.3	0.3	1.0	0.3	0.4	0.1	0.3	-0.2	0.1	0.1	0.5	-0.1	0.0	-0.2	0.1
$\beta_N$	-0.3	-0.1	-0.2	-0.3	0.1	-0.1	-0.4	-0.0	0.2	0.8	0.3	0.4	0.3	1.0	0.8	0.4	0.0	-0.1	0.0	-0.1	-0.1	-0.1	0.1	-0.2	0.1
$\beta_O$	-0.3	-0.1	-0.2	-0.3	0.0	-0.1	-0.5	0.0	0.3	0.7	0.2	0.4	0.4	0.8	1.0	0.2	0.1	-0.1	0.0	0.0	-0.0	-0.2	0.1	-0.2	0.0
$\beta_S$	-0.1	-0.1	0.1	-0.0	0.0	-0.0	-0.1	-0.2	0.1	0.5	-0.1	0.1	0.1	0.4	0.2	1.0	-0.1	-0.0	-0.3	-0.4	-0.0	-0.1	-0.2	-0.1	0.0
$\gamma_{Br}$	-0.7	0.1	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.7	-0.1	0.2	0.2	0.3	0.0	0.1	-0.1	1.0	-0.1	0.1	0.0	0.1	-0.0	0.1	-0.0	0.0
$\gamma_C$	0.1	-0.1	0.1	0.0	0.3	0.0	0.1	0.0	-0.0	0.1	-0.1	-0.0	-0.2	-0.1	-0.1	-0.0	-0.1	1.0	-0.1	-0.1	-0.6	0.2	0.1	0.1	0.0
$\gamma_{Cl}$	-0.1	0.0	-0.7	-0.1	-0.0	-0.0	-0.0	0.1	0.1	-0.1	0.6	0.1	0.1	0.0	0.0	-0.3	0.1	-0.1	1.0	0.2	0.1	-0.1	0.0	-0.2	-0.0
$\gamma_F$	-0.0	-0.1	-0.2	-0.5	-0.1	-0.1	-0.1	0.2	0.0	-0.2	0.2	0.1	0.1	-0.1	0.0	-0.4	0.0	-0.1	0.2	1.0	0.1	-0.1	0.1	-0.5	-0.1
$\gamma_H$	-0.1	0.2	-0.0	0.0	-0.5	0.1	0.1	0.1	0.1	-0.1	0.1	0.0	0.5	-0.1	-0.0	-0.0	0.1	-0.6	0.1	0.1	1.0	-0.1	-0.1	-0.1	0.1
$\gamma_N$	0.1	0.1	0.1	0.1	0.1	-0.0	0.2	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.0	0.2	-0.1	-0.1	-0.1	1.0	-0.0	0.2	0.1
$\gamma_O$	0.1	0.1	0.0	0.1	0.1	0.1	-0.1	0.1	-0.0	-0.2	-0.0	-0.1	0.0	0.1	0.1	-0.2	0.1	0.1	0.0	0.1	-0.1	-0.0	1.0	0.0	0.1
$\gamma_S$	0.2	0.2	0.3	0.4	0.2	0.2	0.3	-0.1	-0.1	-0.1	-0.2	-0.4	-0.2	-0.2	-0.2	-0.1	-0.0	0.1	-0.2	-0.5	-0.1	0.2	0.0	1.0	0.2
$K$	0.3	1.0	0.5	0.6	0.8	1.0	0.8	0.9	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-0.0	-0.1	0.1	0.1	0.1	0.2	1.0