Matrix table (row label at left; column groups: Q-block, P5–C1 block, X-block, W):

	Q2	Q1	Qn	Qp	Q0	P5	P4	P3	P2	P1	N3	N2	N1	N0	C6	C5	C4	C3	C2	C1	X3	X2	X1	W	
Q2	12	11	11	11	11	0	1	2	3	4	4	4	5	6	12	14	16	17	19	19	14	15	16	0	Q2
Q1	11	1	1	1	10	1	2	3	3	4	4	5	6	7	12	14	16	17	19	19	14	15	16	1	Q1
Qn	11	1	9	2	10	2	3	4	5	6	6	7	7	8	11	13	15	16	18	18	14	15	16	2	Qn
Qp	11	1	2	9	10	2	3	4	5	6	6	7	7	8	10	11	12	14	18	18	12	13	14	2	Qp
Q0	11	10	10	10	8	3	4	5	5	7	7	8	8	9	9	10	11	13	18	18	11	12	13	3	Q0
P5	0	1	2	2	3	2	3	4	4	5	7	9	10	11	11	12	14	15	16	17	12	13	14	3	P5
P4	1	2	3	3	4	3	4	5	6	6	8	9	10	10	11	12	14	15	16	17	12	13	14	4	P4
P3	2	3	4	4	5	4	5	5	6	7	8	9	9	10	10	11	13	14	15	16	12	13	14	5	P3
P2	3	3	5	5	5	4	6	6	6	7	7	8	9	10	10	11	12	14	14	15	11	12	13	6	P2
P1	4	4	6	6	7	5	6	7	7	7	7	8	9	9	10	11	12	13	14	15	11	12	12	7	P1
N3	4	4	6	6	7	7	8	8	7	7	7	8	9	9	10	11	11	12	13	14	10	11	11	7	N3
N2	4	5	7	7	8	9	9	9	8	8	8	8	8	9	10	10	11	11	13	13	9	10	11	7	N2
N1	5	6	7	7	8	10	10	9	9	9	9	8	9	10	10	10	11	11	13	13	9	10	11	8	N1
N0	6	7	8	8	9	11	10	10	10	9	9	9	10	10	10	11	11	12	12	12	9	10	11	9	N0
C6	12	12	11	10	9	11	11	10	10	10	10	10	10	10	9	9	10	10	12	12	9	10	11	10	C6
C5	14	14	13	11	10	12	12	11	11	11	11	10	10	10	9	9	10	10	12	12	9	10	10	12	C5
C4	16	16	15	12	11	14	14	13	12	12	11	11	11	11	10	10	10	10	12	12	10	11	10	14	C4
C3	17	17	16	14	13	15	15	14	14	13	12	11	11	11	10	10	10	10	11	11	11	11	10	15	C3
C2	19	19	18	18	18	16	16	15	14	14	13	13	13	12	12	12	12	11	10	10	12	11	10	16	C2
C1	19	19	18	18	18	17	17	16	15	15	14	13	13	12	12	12	12	11	10	10	12	11	10	17	C1
X3	14	14	14	12	11	12	12	12	11	11	10	9	9	9	9	9	10	11	12	12	9	9	9	12	X3
X2	15	15	15	13	12	13	13	13	12	12	11	10	10	10	10	10	11	11	11	11	9	9	8	13	X2
X1	16	16	16	14	13	14	14	14	13	12	11	11	11	10	10	10	10	10	10	10	9	8	8	14	X1
W	0	1	2	2	3	3	4	5	6	7	7	7	8	9	10	12	14	15	16	17	12	13	14	-	W
	Q2	Q1	Qn	Qp	Q0	P5	P4	P3	P2	P1	N3	N2	N1	N0	C6	C5	C4	C3	C2	C1	X3	X2	X1	W	

Original levels / new_levels:

original levels		0		1		2		3		4		5		6		7		8		9	
new_levels	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17		18	19

Category labels: hyper attractive · supra attractive · attractive · almost attractive · semi attractive · intermediate · almost intermediate · semi repulsive · almost repulsive · repulsive · super repulsive

Blocks with different balance when we reduce the bead size:

- organic (green)
- water (blue)
- ion (grey)
- ion-others (pink/red)

Donor/acceptor labels for N1 to P5 beads:

	NN/NS/NT	SS/ST	TT
d-d/a-a*	+2	+2	+2
d-a	0	-1	-2
W-d/W-a	+1	+1	+1
Qp-d/Qn-a	+1	+1	+1

* new level cannot be higher then 10