

$-\Delta$  repulsive interactions

10  
0  
-10

DE  
EV  
DM  
DS  
EG  
DR  
EW  
AM  
AV  
AQ  
IQ  
AP  
GQ  
LQ  
DK  
QQ  
IM  
HL  
HQ  
LM  
FQ  
AW  
FM  
HW  
LW  
FW  
RW  
KY  
MR  
KL  
AR  
RR  
KS  
AK  
KR  
KK

Correlation Value

1.0  
0.5  
0.0  
-0.5  
-1.0

