

$-\Delta$  repulsive interactions

10  
0  
-10

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

Correlation Value

1.0  
0.5  
0.0  
-0.5  
-1.0

