

PBE ($\beta = 0.83$)SCAN ($\beta = 1.1$)SCAN ($\beta = 1.2$)SCAN(B) ($\beta = 1.0$) $\Delta E_i/E_i^{\text{ref}}$ 10%
0%
-10%10%
0%
-10%10%
0%
-10%10%
0%
-10%

S66

10 20 30

10 20 30

10 20 30

10 20 30

 $\Delta E_i/E_i^{\text{ref}}$ 10%
0%
-10%10%
0%
-10%10%
0%
-10%10%
0%
-10%

X23

25 50 75

25 50 75

25 50 75

25 50 75

 $\Delta E_i/E_i^{\text{ref}}$ 10%
0%
-10%10%
0%
-10%10%
0%
-10%10%
0%
-10%

S12L

100 150

100 150

100 150

100 150

number of atoms

number of atoms

number of atoms

number of atoms

