

Phase	Energy (eV/atom)
AlSc3B4	-6.887045
AlSc3B4	-6.868965
Al4Sc4B4	-6.021444
Al4Sc4B4	-6.109407
Al2Sc8B8	-6.785320
Al2Sc8B8	-6.058021
AlSc2B2	-6.548590
Al2Sc4B4	-6.614421
AlTi3B4	-7.623771
AlTi3B4	-7.654676
Al4Ti4B4	-6.723821
Al4Ti4B4	-6.747864
Al2Ti8B8	-7.698849
Al2Ti8B8	-7.666107
AlTi2B2	-7.364746
Al2Ti4B4	-7.331511
AlV3B4	-7.882565
AlV3B4	-7.881436
Al4V4B4	-7.034201
Al4V4B4	-6.952085
Al2V8B8	-8.118077
Al2V8B8	-6.648240
AlV2B2	-7.667204
Al2V4B4	-7.608405
AlCr3B4	-7.873580
AlCr3B4	-7.799861
Al4Cr4B4	-7.072151
Al4Cr4B4	-6.948362
Al2Cr8B8	-8.177484
Al2Cr8B8	-5.920596
AlCr2B2	-7.622868
Al2Cr4B4	-7.637110
AlMn3B4	-7.642222
AlMn3B4	-7.581818
Al4Mn4B4	-6.859279
Al4Mn4B4	-6.802928
Al2Mn8B8	-7.936205

Al2Mn8B8	-7.442845
AlMn2B2	-7.451598
Al2Mn4B4	-7.452235
AlFe3B4	-7.264975
AlFe3B4	-7.226348
Al4Fe4B4	-6.577845
Al4Fe4B4	-6.555857
Al2Fe8B8	-7.535032
Al2Fe8B8	-6.402490
AlFe2B2	-7.119032
Al2Fe4B4	-7.109587
AlCo3B4	-6.692784
AlCo3B4	-6.645974
Al4Co4B4	-6.099954
Al4Co4B4	-6.051227
Al2Co8B8	-6.900043
Al2Co8B8	-6.526478
AlCo2B2	-6.547820
Al2Co4B4	-6.558247
AlY3B4	-6.718475
AlY3B4	-6.680061
Al4Y4B4	-5.993245
Al4Y4B4	-5.970261
Al2Y8B8	-6.681036
Al2Y8B8	-4.990600
AlY2B2	-6.380818
Al2Y4B4	-6.480186
AlZr3B4	-7.808925
AlZr3B4	-7.834695
Al4Zr4B4	-6.885972
Al4Zr4B4	-6.932840
Al2Zr8B8	-7.891698
Al2Zr8B8	-7.902603
AlZr2B2	-7.565447
Al2Zr4B4	-7.556705
AlNb3B4	-8.224769
AlNb3B4	-8.257394
Al4Nb4B4	-7.370193

Al4Nb4B4	-7.271125
Al2Nb8B8	-8.506277
Al2Nb8B8	-8.482119
AlNb2B2	-8.080582
Al2Nb4B4	-7.991668
AlMo3B4	-8.297157
AlMo3B4	-8.249202
Al4Mo4B4	-7.541120
Al4Mo4B4	-7.357177
Al2Mo8B8	-8.690747
Al2Mo8B8	-8.584569
AlMo2B2	-8.133074
Al2Mo4B4	-8.084197
AlHf3B4	-8.339108
AlHf3B4	-8.385347
Al4Hf4B4	-7.350643
Al4Hf4B4	-7.394094
Al2Hf8B8	-8.534562
Al2Hf8B8	-8.549323
AlHf2B2	-8.144020
Al2Hf4B4	-8.102719
AlTa3B4	-8.838100
AlTa3B4	-8.881892
Al4Ta4B4	-7.927871
Al4Ta4B4	-7.826956
Al2Ta8B8	-9.270121
Al2Ta8B8	-9.273142
AlTa2B2	-8.755311
Al2Ta4B4	-8.633876
AlW3B4	-8.908304
AlW3B4	-8.846325
Al4W4B4	-8.099528
Al4W4B4	-7.921854
Al2W8B8	-9.479277
Al2W8B8	-9.377397
AlW2B2	-8.799280
Al2W4B4	-8.733000
GaSc3B4	-6.814118

GaSc3B4	-6.820442
Ga4Sc4B4	-5.821627
Ga4Sc4B4	-5.940945
Ga2Sc8B8	-6.722057
Ga2Sc8B8	-6.760119
GaSc2B2	-6.472320
Ga2Sc4B4	-6.514934
InSc3B4	-6.718444
InSc3B4	-6.759314
In4Sc4B4	-5.676222
In4Sc4B4	-5.766171
In2Sc8B8	-6.643525
In2Sc8B8	-6.706810
InSc2B2	-6.375768
In2Sc4B4	-6.367292
GaTi3B4	-7.522602
GaTi3B4	-7.586383
Ga4Ti4B4	-6.427649
Ga4Ti4B4	-6.539759
Ga2Ti8B8	-7.614757
Ga2Ti8B8	-7.337426
GaTi2B2	-7.255269
Ga2Ti4B4	-7.190028
InTi3B4	-7.387205
InTi3B4	-7.487930
In4Ti4B4	-6.235811
In4Ti4B4	-6.296677
In2Ti8B8	-7.496379
In2Ti8B8	-7.517489
InTi2B2	-7.106135
In2Ti4B4	-6.993376
GaV3B4	-7.732040
GaV3B4	-7.794603
Ga4V4B4	-6.667581
Ga4V4B4	-6.695902
Ga2V8B8	-7.991910
Ga2V8B8	-7.936394
GaV2B2	-7.529001

Ga2V4B4	-7.410608
InV3B4	-7.600289
InV3B4	-7.674726
In4V4B4	-6.438769
In4V4B4	-6.457998
In2V8B8	-7.872243
In2V8B8	-7.827152
InV2B2	-7.343221
In2V4B4	-7.206777
Cr3GaB4	-7.683874
Cr3GaB4	-7.698240
Cr4Ga4B4	-6.668272
Cr4Ga4B4	-6.667346
Cr8Ga2B8	-8.009820
Cr8Ga2B8	-7.444181
Cr2GaB2	-7.458288
Cr4Ga2B4	-7.402324
Cr3InB4	-7.554133
Cr3InB4	-7.577098
Cr4In4B4	-6.442670
Cr4In4B4	-6.419720
Cr8In2B8	-7.891299
Cr8In2B8	-7.785745
Cr2InB2	-7.265081
Cr4In2B4	-7.203955
GaMn3B4	-7.447468
GaMn3B4	-7.469983
Ga4Mn4B4	-6.456599
Ga4Mn4B4	-6.509506
Ga2Mn8B8	-7.765582
Ga2Mn8B8	-7.063004
GaMn2B2	-7.271933
Ga2Mn4B4	-7.199185
InMn3B4	-7.327177
InMn3B4	-7.360010
In4Mn4B4	-6.276752
In4Mn4B4	-6.268799
In2Mn8B8	-7.655706

In2Mn8B8	-6.286981
InMn2B2	-7.095361
In2Mn4B4	-4.676151
Fe3GaB4	-7.076143
Fe3GaB4	-7.107527
Fe4Ga4B4	-6.192749
Fe4Ga4B4	-6.243884
Fe8Ga2B8	-7.366151
Fe8Ga2B8	-7.028935
Fe2GaB2	-6.914978
Fe4Ga2B4	-6.827793
Fe3InB4	-6.967202
Fe3InB4	-7.024588
Fe4In4B4	-6.000733
Fe4In4B4	-5.998400
Fe8In2B8	-7.256192
Fe8In2B8	-7.168100
Fe2InB2	-6.744771
Fe4In2B4	-6.633966
Co3GaB4	-6.508491
Co3GaB4	-6.528467
Co4Ga4B4	-5.727242
Co4Ga4B4	-5.758149
Co8Ga2B8	-6.741853
Co8Ga2B8	-6.670380
Co2GaB2	-6.359282
Co4Ga2B4	-6.274617
Co3InB4	-6.399493
Co3InB4	-6.445972
Co4In4B4	-5.525356
Co4In4B4	-5.540328
Co8In2B8	-6.646266
Co8In2B8	-6.190764
Co2InB2	-6.218833
Co4In2B4	-6.074060
GaY3B4	-6.659566
GaY3B4	-6.641470
Ga4Y4B4	-5.838109

Ga4Y4B4	-5.829057
Ga2Y8B8	-6.641518
Ga2Y8B8	-6.605366
GaY2B2	-6.321897
Ga2Y4B4	-6.398063
GaZr3B4	-7.720703
GaZr3B4	-7.776439
Ga4Zr4B4	-6.651294
Ga4Zr4B4	-6.749741
Ga2Zr8B8	-7.818743
Ga2Zr8B8	-7.850951
GaZr2B2	-7.472699
Ga2Zr4B4	-7.432529
GaNb3B4	-8.084500
GaNb3B4	-8.174215
Ga4Nb4B4	-7.037066
Ga4Nb4B4	-7.043764
Ga2Nb8B8	-8.393545
Ga2Nb8B8	-8.410451
GaNb2B2	-7.950782
Ga2Nb4B4	-7.812765
GaMo3B4	-8.104875
GaMo3B4	-8.142513
Ga4Mo4B4	-7.149181
Ga4Mo4B4	-7.056642
Ga2Mo8B8	-8.522817
Ga2Mo8B8	-8.490793
GaMo2B2	-7.968603
Ga2Mo4B4	-7.845801
GaHf3B4	-8.242786
GaHf3B4	-8.321636
Ga4Hf4B4	-7.092816
Ga4Hf4B4	-7.198074
Ga2Hf8B8	-8.454215
Ga2Hf8B8	-8.492642
GaHf2B2	-8.042146
Ga2Hf4B4	-7.964839
GaTa3B4	-8.681527

GaTa3B4	-8.790734
Ga4Ta4B4	-7.578723
Ga4Ta4B4	-7.565918
Ga2Ta8B8	-9.142875
Ga2Ta8B8	-9.194659
GaTa2B2	-8.612582
Ga2Ta4B4	-8.438904
GaW3B4	-8.690937
GaW3B4	-8.727236
Ga4W4B4	-7.686823
Ga4W4B4	-7.586111
Ga2W8B8	-9.287643
Ga2W8B8	-9.271752
GaW2B2	-8.610313
Ga2W4B4	-8.469518
InY3B4	-6.595717
InY3B4	-6.604445
In4Y4B4	-5.701703
In2Y8B8	-6.605651
In2Y8B8	-6.572562
InY2B2	-6.261921
In2Y4B4	-6.289323
InZr3B4	-7.613968
InZr3B4	-7.705394
In4Zr4B4	-6.475425
In4Zr4B4	-6.553567
In2Zr8B8	-7.728881
In2Zr8B8	-7.791679
InZr2B2	-7.370459
In2Zr4B4	-7.275168
InNb3B4	-7.997048
InNb3B4	-8.073828
In4Nb4B4	-6.818871
In4Nb4B4	-6.846595
In2Nb8B8	-8.303822
In2Nb8B8	-8.323836
InNb2B2	-7.800482
In2Nb4B4	-7.652501

InMo3B4	-8.004828
InMo3B4	-8.044100
In4Mo4B4	-6.885210
In4Mo4B4	-6.850512
In2Mo8B8	-8.429727
In2Mo8B8	-8.393898
InMo2B2	-7.788994
In2Mo4B4	-7.648522
Hf3InB4	-8.120786
Hf3InB4	-8.236172
Hf4In4B4	-6.908266
Hf4In4B4	-6.979552
Hf8In2B8	-8.348958
Hf8In2B8	-8.421404
Hf2InB2	-7.917899
Hf4In2B4	-7.792325
InTa3B4	-8.605912
InTa3B4	-8.677114
In4Ta4B4	-7.365468
In4Ta4B4	-7.366288
In2Ta8B8	-9.060600
In2Ta8B8	-9.095243
InTa2B2	-8.440747
In2Ta4B4	-8.282504
InW3B4	-8.599489
InW3B4	-8.619151
In4W4B4	-7.438504
In4W4B4	-7.369355
In2W8B8	-9.195776
In2W8B8	-9.167397
InW2B2	-8.412925
In2W4B4	-8.265344