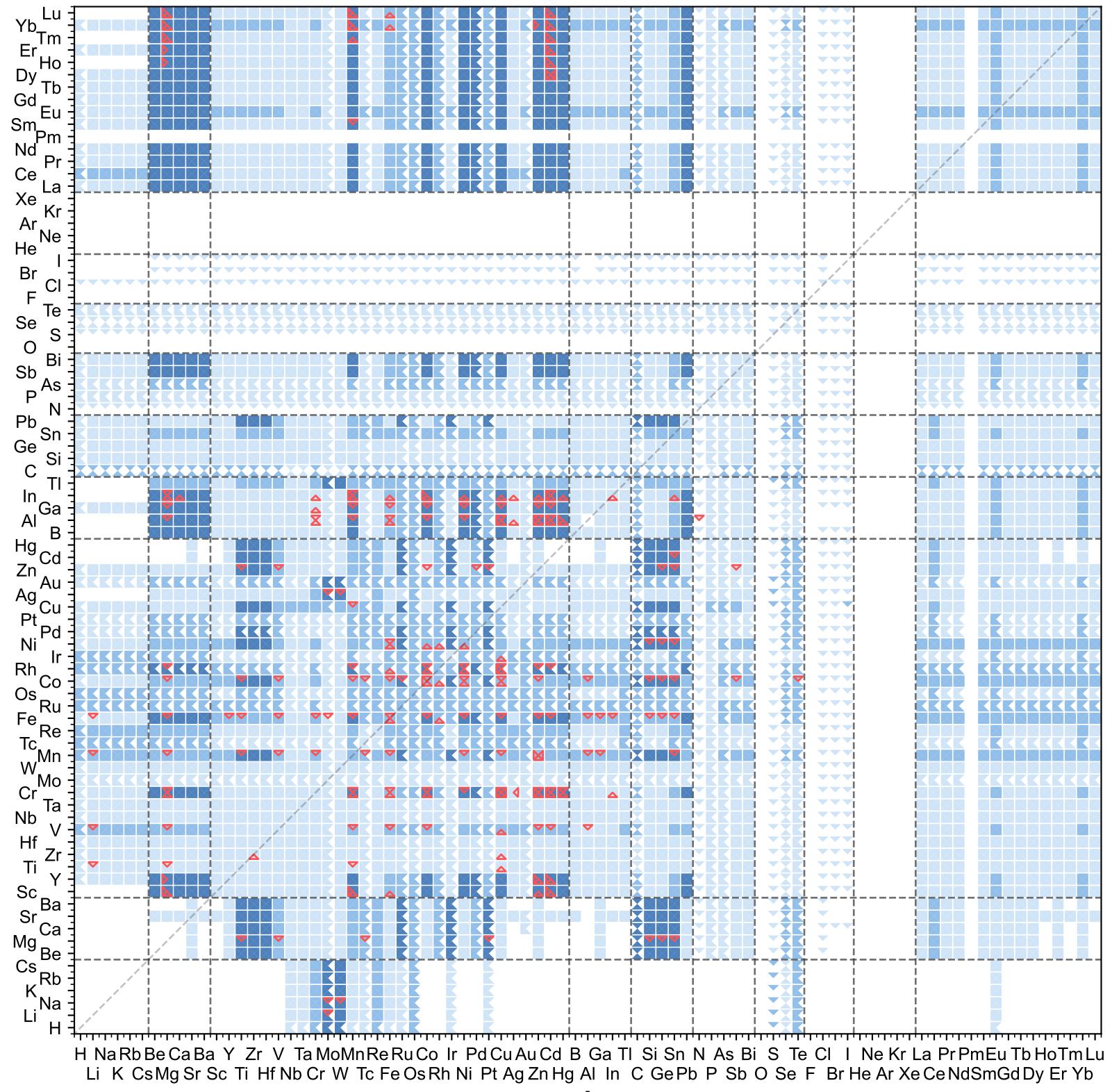


Chemically Valid AB_2X_4 Chemical Space



Oxide
Sulfide
Selenide
Telluride
Number of compositions
Low Oxidation State Threshold
Oxide: 5057
Sulfide: 4385
Selenide: 4115
Telluride: 2618
Medium Oxidation State Threshold
Oxide: 1679
Sulfide: 1668
Selenide: 1529
Telluride: 869
High Oxidation State Threshold
Oxide: 508
Sulfide: 508
Selenide: 494
Telluride: 397
Experimentally Known
Oxide: 124
Sulfide: 72
Selenide: 34
Telluride: 4