LIST OF ALL POTENTIAL TOPOLOGICAL MATERIALS PREDICTED

Space Group	Formula
166	$Pb_2Pd_3S_2$
189	$Re_1Si_1Ta_1$
142	Ga_2Pt_1
180	Ge_2Nb_1
198	Hg_1Pd_1
166	In_1Mg_3
216	In_1Sb_1
186	In_1Sb_1
221	N_1Ta_1
191	N_1Ta_1 *
187	N_1Ta_1
225	N_1Ta_1
189	N_1Ta_1
194	N_1Ta_1
6	N_2Re_1
13	N_2Re_1
194	N_2Re_1
11	N_2Re_1
205	N_2Re_1
127	N_2Re_1
62	N_2Re_1
194	Nb_1S_2
139	Nb_1S_2
164	Nb_1Se_2
194	Nb_1Se_2
187	Nb_1Se_2 *
74	P_1
139	S_2Ti_1
191	S_2Ti_1
194	Sb_1
186	Ca_1Ge_2

Space Group	Formula
109	$Al_1Ge_1La_1$
160	$Al_4C_6Zr_3$
109	As_1Nb_1
5	As_2Ta_1
36	Bi_1Pd_1
4	Bi_1Pd_1
157	Bi_2Pt_1
129	Se_1Ti_1
194	Se_1Ti_1
2	Se_2Ta_1
166	Se_2Ta_1
164	Se_2Ta_1
194	Se_2Ta_1 *
160	Se_2Ta_1
141	Sr_1
140	Sr_1
229	Sr_1
194	Sr_1
225	Ta_1
223	Ta_1
191	Ta1
229	Ta_1
194	Ta_1
113	Ta_1
3	Ta_1
136	Ta_1
187	Te_1Zr_1
194	Te_1Zr_1
129	$Ag_1Mg_1Sb_1$
206	Ge_1
194	Ge_1 #

Space Group	Formula
194	Ca_1
229	Ca_1
194	In_1Mg_3
194	Li_1Tl_1
216	N_1Tl_1
225	N_1Tl_1
225	Ga_2Pt_1
123	Hg_1Pd_1
193	Cl_3Ti_1
149	Cl_3Ti_1 #
12	Cl_3Ti_1 #
15	Cl_3Ti_1 #
62	$N_3Ta_1Th_1$
189	$Nb_1Re_1Si_1$
229	Pb_1
194	Pb_1
186	N_1Tl_1
46	$Nb_1Re_1Si_1$
109	P_1Ta_1
86	P_1Zr_3
199	$Pb_2Pd_3S_2$
146	Pd_8Sb_3 #
161	Pd_8Sb_3 #
46	$Re_1Si_1Ta_1$
92	Si_4Zr_5
167	Al_5Mo_1
166	$As_2Sn_2Sr_1$
212	Ba_1Si_2
18	Be_1
64	Bi_1

Table 1: High-confidence materials except Topogivity dataset predictions. These potential topological materials are common predictions from Complete and Spaced datasets. Materials marked with an asterisk (*) have already been identified in Topological Materials Database. Materials marked with a hash (#) have band structures similar to already identified TMs in Topological Materials Database.

Space Group	Formula
11	Bi_1 *
64	Ca_1 *
92	Ca_1
162	Cl_3Ti_1 #
229	Ge_1 #
148	Ge_1
225	Ge_1
227	Ge_1
36	$Ge_6La_4Mg_5$

Space Group	Formula
25	In_1Sb_1
59	In_1Sb_1
216	N_1Ta_1
8	N_2Re_1
64	P_1 *
107	P_2U_1 #
5	Po_1
160	S_2Ta_1

Space Group	Formula
164	S_2Ti_1
194	S_2Ti_1 *
62	S_2Ti_1
11	Sb_1
160	Se_2Ta_1
186	Se_2Ta_1
74	Sr_1
62	Te_1Zr_1

Table 1: High-confidence materials common in all dataset predictions. These potential topological materials are common predictions from all the datasets. Materials marked with an asterisk (*) have already been identified in Topological Materials Database. Materials marked with a hash (#) have band structures similar to already identified TMs in Topological Materials Database.

Space Group	Formula
166	Ga_1Mn_1 *
123	Ga_1Mn_1 *
63	Pt_2Ta_1
62	Nb_1Si_1
221	Co_1Ga_1
180	Ge_2Ta_1
225	Bi_1Ti_1
194	Bi_1Ti_1
216	Bi_1Ti_1

Table 3: Predicted Potential Topological Materials. Materials which had 'Unknown' space groups. Materials marked with an asterisk (*) have already been identified in Topological Materials Database.

Space Group	Formula
146	In_1Mg_3
216	$Li_{21}Si_5$
143	Al_5Mo_1
160	$As_2Sn_2Sr_1$
194	Be1
151	Cl_3Ti_1
146	In_1Mg_3
43	In_1Sr_1
186	P_3Sc_7
156	Sb_2Te_3
62	Se_1Ti_1
81	Ta_1
152	$Ag_1Pb_4Pd_6$
80	As_1Nb_1

Table 4: Predicted Potential Topological Materials. Materials whose band structures were not found in Topological Materials Database.