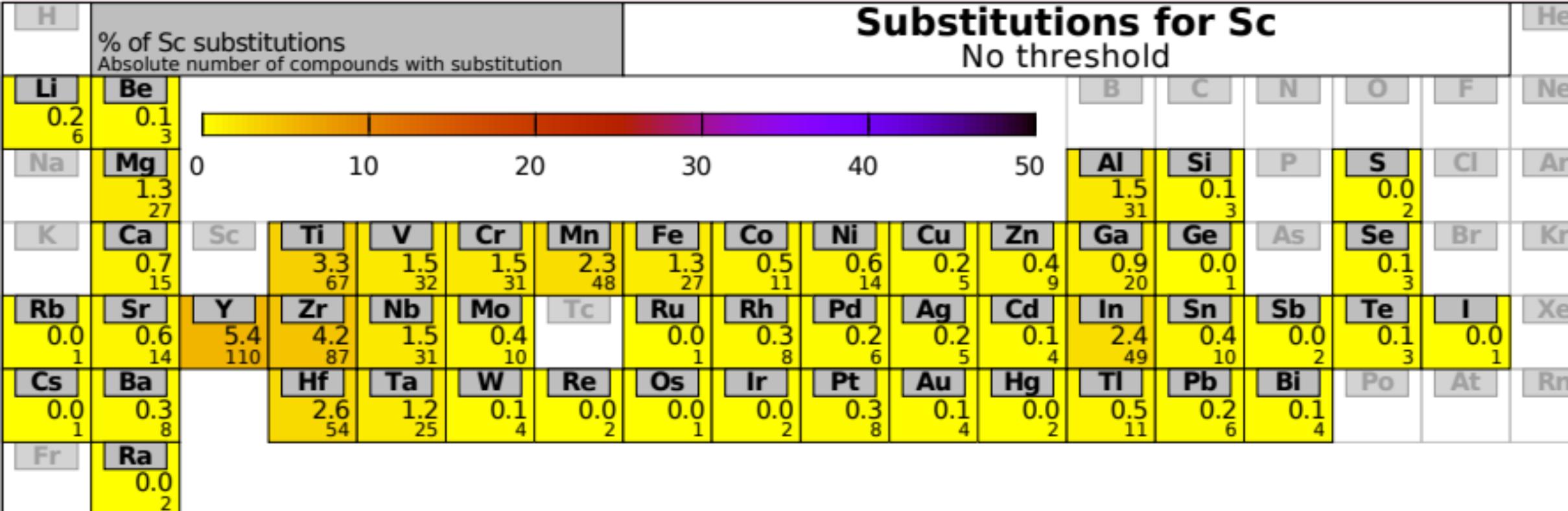


## **Substitutions for Sc**



<b>La</b> 2.8 57	<b>Ce</b> 2.6 54	<b>Pr</b> 2.7 55	<b>Nd</b> 3.1 63	<b>Pm</b> 0.1 4	<b>Sm</b> 3.3 67	<b>Eu</b> 1.5 32	<b>Gd</b> 3.7 76	<b>Tb</b> 4.2 86	<b>Dy</b> 3.9 81	<b>Ho</b> 3.9 80	<b>Er</b> 4.3 88	<b>Tm</b> 4.4 90	<b>Yb</b> 4.0 83	<b>Lu</b> 4.7 96
<b>Ac</b> 0.0 2	<b>Th</b> 1.5 32	<b>Pa</b> 0.2 5	<b>U</b> 2.3 47	<b>Np</b> 1.3 27	<b>Pu</b> 1.7 36	<b>Am</b> 0.6 13	<b>Cm</b> 0.6 14	<b>Bk</b> 0.3 7	<b>Cf</b> 0.1 4	<b>Es</b>	<b>Fm</b>	<b>Md</b>	<b>No</b>	<b>Lr</b>