

# Substitutions for Lu

Threshold  $N_{AB} > 9$

% of Lu substitutions  
Absolute number of compounds with substitution



| H  |           |            |           |            |            |           |            |           |            |            |            |            |            |            |            |    | He |  |
|----|-----------|------------|-----------|------------|------------|-----------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|----|----|--|
| Li | Be        |            |           |            |            |           |            |           |            |            |            | B          | C          | N          | O          | F  | Ne |  |
| Na | Mg        |            |           |            |            |           |            |           |            |            |            | Al         | Si         | P          | S          | Cl | Ar |  |
|    | 0.6<br>17 |            |           |            |            |           |            |           |            |            |            |            |            |            |            |    |    |  |
| K  | Ca        | Sc         | Ti        | V          | Cr         | Mn        | Fe         | Co        | Ni         | Cu         | Zn         | Ga         | Ge         | As         | Se         | Br | Kr |  |
|    | 1.1<br>30 | 3.6<br>96  | 0.7<br>19 |            | 0.4<br>11  | 0.9<br>26 |            |           |            |            |            |            |            |            |            |    |    |  |
| Rb | Sr        | Y          | Zr        | Nb         | Mo         | Tc        | Ru         | Rh        | Pd         | Ag         | Cd         | In         | Sn         | Sb         | Te         | I  | Xe |  |
|    | 0.7<br>19 | 7.2<br>192 | 1.5<br>42 |            |            |           |            |           |            |            |            | 1.0<br>27  |            |            |            |    |    |  |
| Cs | Ba        |            |           |            |            |           |            |           |            |            |            | Tl         | Pb         | Bi         | Po         | At | Rn |  |
|    | 0.5<br>14 |            | 0.9<br>24 |            |            |           |            |           |            |            |            |            |            |            |            |    |    |  |
| Fr | Ra        |            |           |            |            |           |            |           |            |            |            |            |            |            |            |    |    |  |
|    |           | La         | Ce        | Pr         | Nd         | Pm        | Sm         | Eu        | Gd         | Tb         | Dy         | Ho         | Er         | Tm         | Yb         | Lu |    |  |
|    |           | 3.7<br>98  | 3.6<br>97 | 4.3<br>114 | 4.9<br>130 |           | 4.8<br>127 | 2.6<br>70 | 6.4<br>169 | 6.4<br>171 | 6.8<br>181 | 7.2<br>192 | 7.6<br>202 | 7.0<br>186 | 6.6<br>176 |    |    |  |
|    |           | Ac         | Th        | Pa         | U          | Np        | Pu         | Am        | Cm         | Bk         | Cf         | Es         | Fm         | Md         | No         | Lr |    |  |
|    |           |            | 1.6<br>43 |            | 2.1<br>57  | 1.3<br>35 | 1.7<br>45  | 0.6<br>16 | 0.4<br>13  |            |            |            |            |            |            |    |    |  |