| Zr - | | | | | - 1.0 |
|---------|--------------------|-------|---------------------|-------|-------|
| Th - | | | | | |
| Ti - | | | | | |
| Nb - | | | | | - 0.8 |
| Zr×Th - | | | | | |
| Zr×Ti - | | | | | |
| Zr×Nb - | | | | | - 0.6 |
| Th×Ti - | | | | | |
| Th×Nb - | | | | | |
| Ti×Nb - | | | | | - 0.4 |
| Zr/Th - | | | | | |
| Zr/Ti - | | | | | |
| Zr/Nb - | | | | | - 0.2 |
| Th/Ti - | | | | | |
| Th/Nb - | | | | | |
| Ti/Nb - | | | | | 0.0 |
| | SiO ₂ - | MgO - | Na ₂ O - | cao - | 0.0 |