Fig. S1

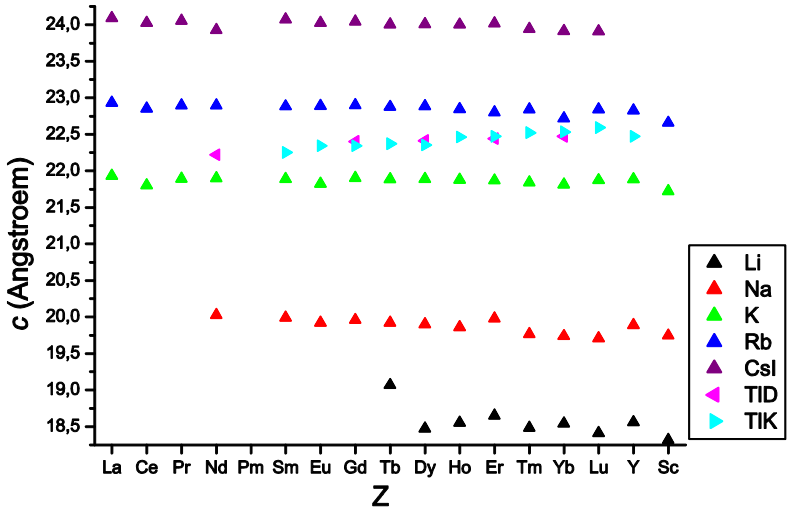

Fig. S1. The dependence of *c* on *Z* in the series of the alkaline and Tl^{+} rare-earth sulfides. (TlK and TlD mean the structure detarminations by Kabré *et al.* (1974) or Duczmal & Pawlak (1994), respectively - see the deposited Table 2

Fig. S2

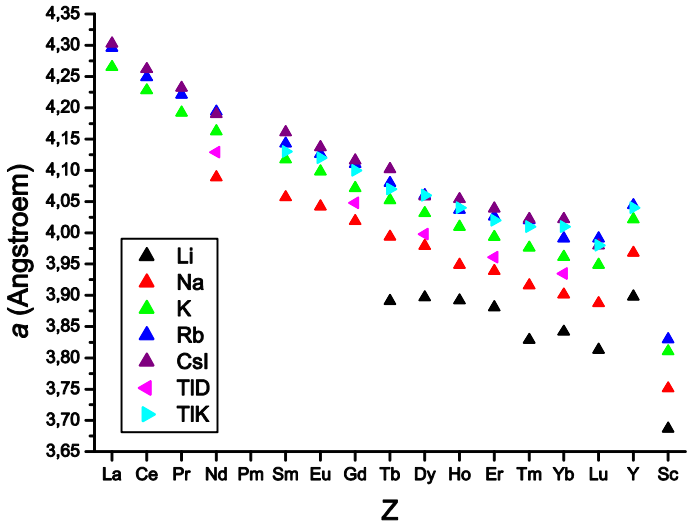

Fig. S2. The dependence of *a* on *Z* in the series of the alkaline and Tl^{+} rare-earth sulfides. (TlK and TlD mean the structure determinations by Kabré *et al.* (1974) or Duczmal & Pawlak (1994), respectively; see the deposited Table 2.

Fig. S3

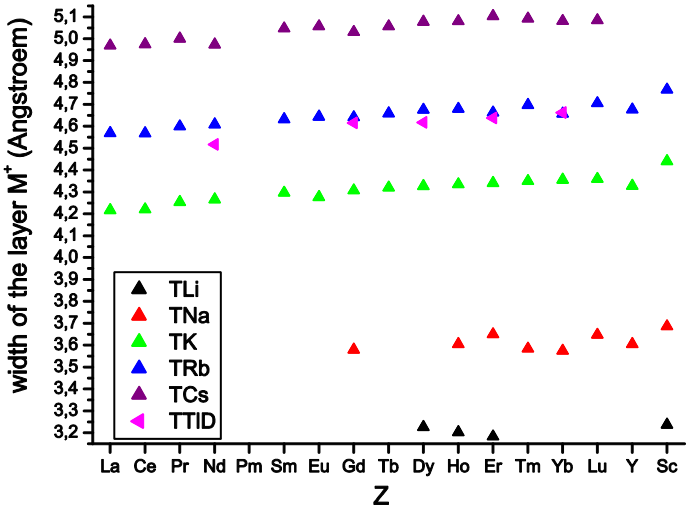

Fig. S3. The dependence of the widths of the S-S layers, which contain the monovalent cations M^+ in the rare-earth alkaline sulfides, on Z. See the deposited Table 3. (TlD means the determinations by Duczmal & Pawlak, 1994.)

Fig. S4

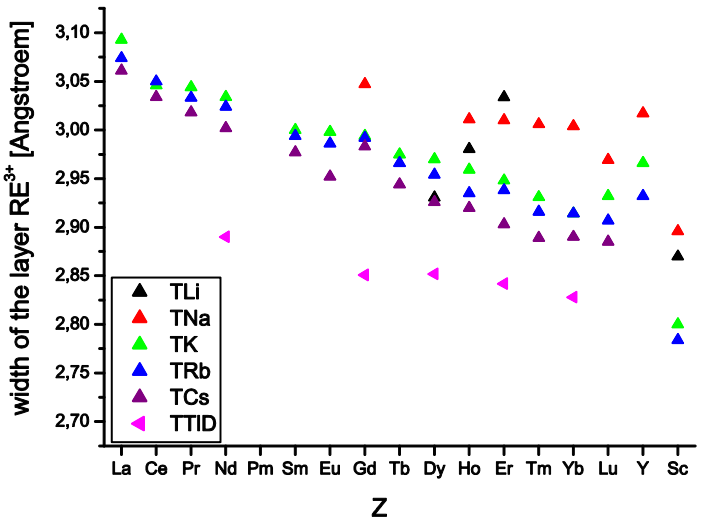

Fig. S4. The dependence of the widths of the S-S layers, which contain the trivalent cations RE^{3+} in the rare-earth alkaline sulfides, on Z. See the deposited Table 4. (TlD mean the structure determinations by Duczmal & Pawlak (1994), respectively.)

Fig. S5

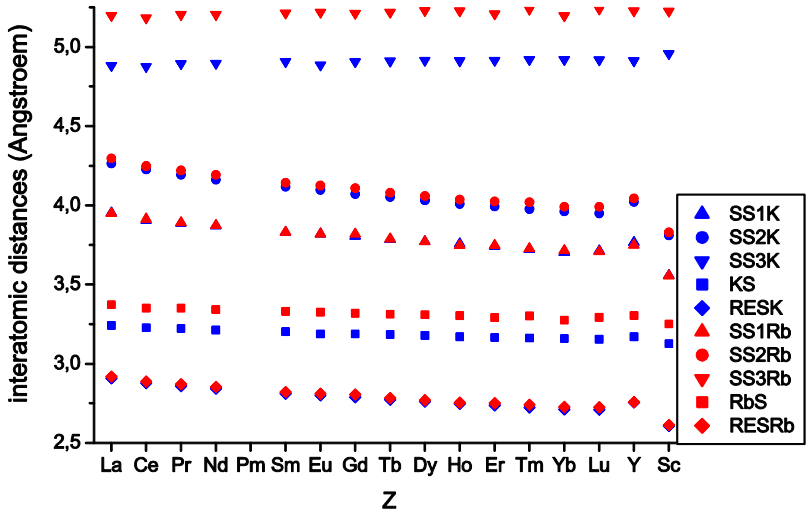

Fig. S5. Dependence of closest interatomic distances (\%A) in $K^{+}RE^{3+}S^{2-}$ and $Rb^{+}RE^{3+}S^{2-}$ on Z. See the respective deposited Tables 5 and 6. [SS1K, SS2K, SS3K, KS and RES mean S-S^{i}, S-S^{ii}, S-S^{iii}, K-S and RE-S distances in the title potassium rare-earth sulfides; Rb compounds are indicated analogously.]

Fig. S6

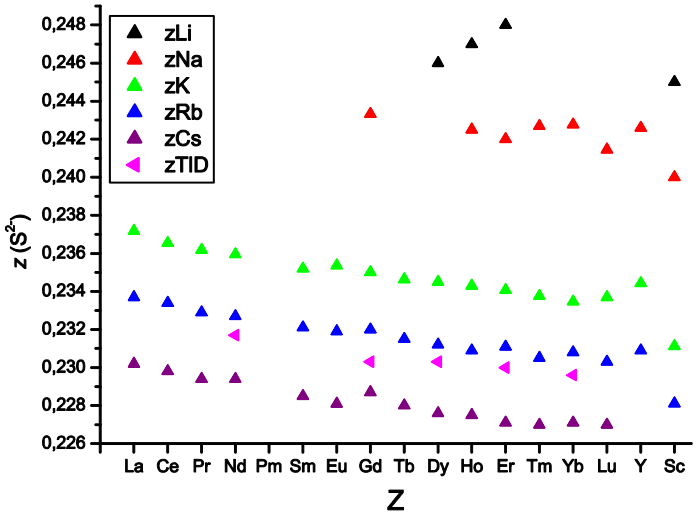

Fig. 6. Dependence of $z(S^{2-})$ in $M^{+}RE^{3+}S^{2-}$ on Z. See the deposited Table 7. (TID mean the structure determinations by Kabré *et al.* (1974) or Duczmal & Pawlak (1994), respectively.)

Fig. S7

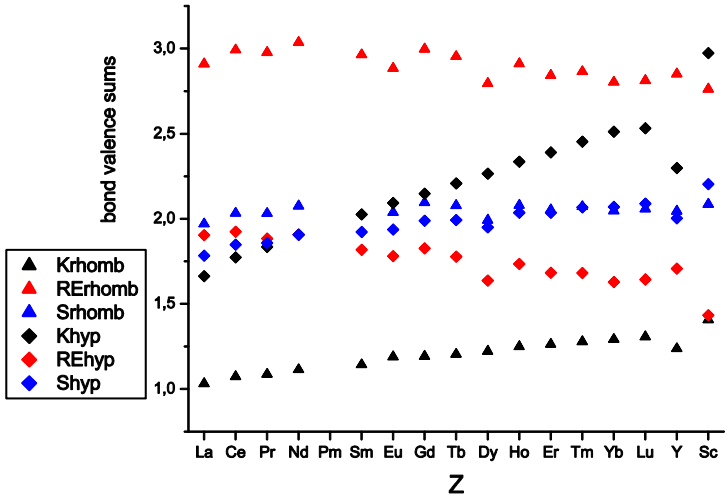

Fig. S7. The bond valence sums (Brese & O'Keeffe, 1991) in the real-existing rhombohedral and the hypothetic cubic $K^{+}RE^{3+}S^{2-}$. See the deposited Table 8.)

Fig. S8

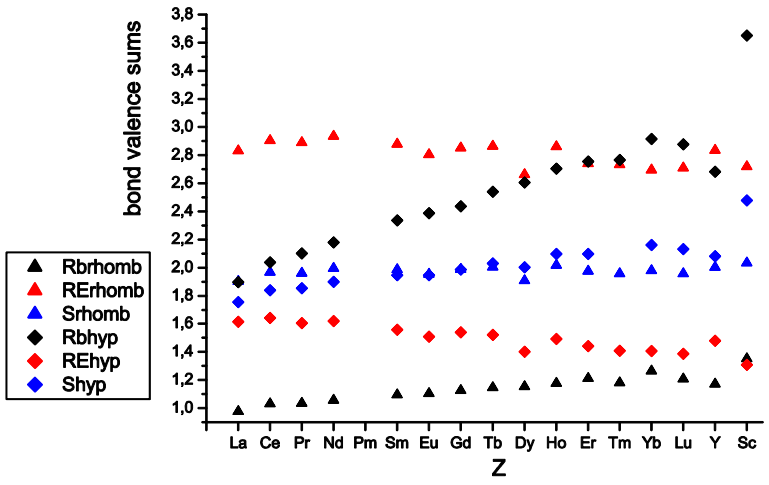

Fig. 8. The bond valence sums (Brese & O'Keeffe, 1991) in the real-existing rhombohedral and the hypothetic cubic $Rb^{+}RE^{3+}S^{2-}$. See the deposited Table 9.