

Figure 1. Yield and plant height in the first (a-b) and second (c-d) year of cowpea plants in response to Se and S combination. Error bars indicates the standard error of mean ($n=4$). Different letters indicate difference between means according to tukey test ($p \leq 0.05$). Uppercase letters correspond to Se rates, and lowercase letters correspond to S rates. ns = not significantly according to tukey test ($p \leq 0.05$). CV (%) = 30.47 (a); 8.59 (b); 21.13 (c); 8.13 (d). Interaction between Se and S according to tukey test ($p \leq 0.05$) observed in: c (S rates under 10 g ha^{-1} of Se and Se rates under 30 g ha^{-1} of S).

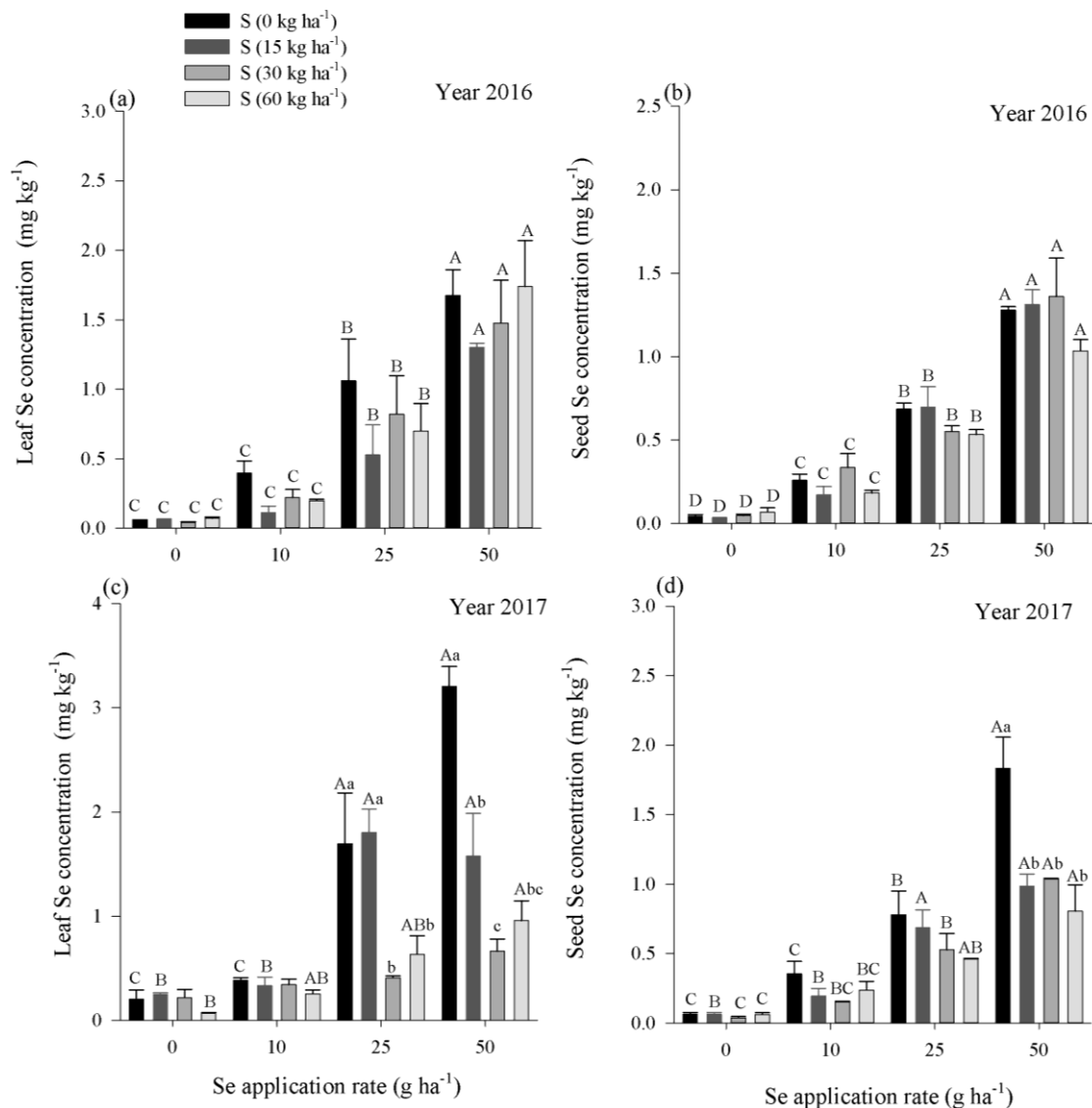


Figure 2. Leaf and seed Se concentration for the first (a-b) and second (c-d) year of cowpea plants in response to Se and S combination. Error bars indicates the standard error of mean (n=4). Different letters indicate difference between means according to tukey test ($p \leq 0.05$). Uppercase letters correspond to Se rates, and lowercase letters correspond to S rates. ns = not significantly according to tukey test ($p \leq 0.05$). CV (%) = 54.22 (a); 29.59 (b); 46.49 (c); 39.51 (d). Interaction between Se and S according to tukey test ($p \leq 0.05$) observed in: c (S rates under 25 and 50 g ha⁻¹ of Se, and Se rates under 0, 15 and 60 kg ha⁻¹ of S); d (S rates under 50 g ha⁻¹ of Se, and Se rates under all S rates) .

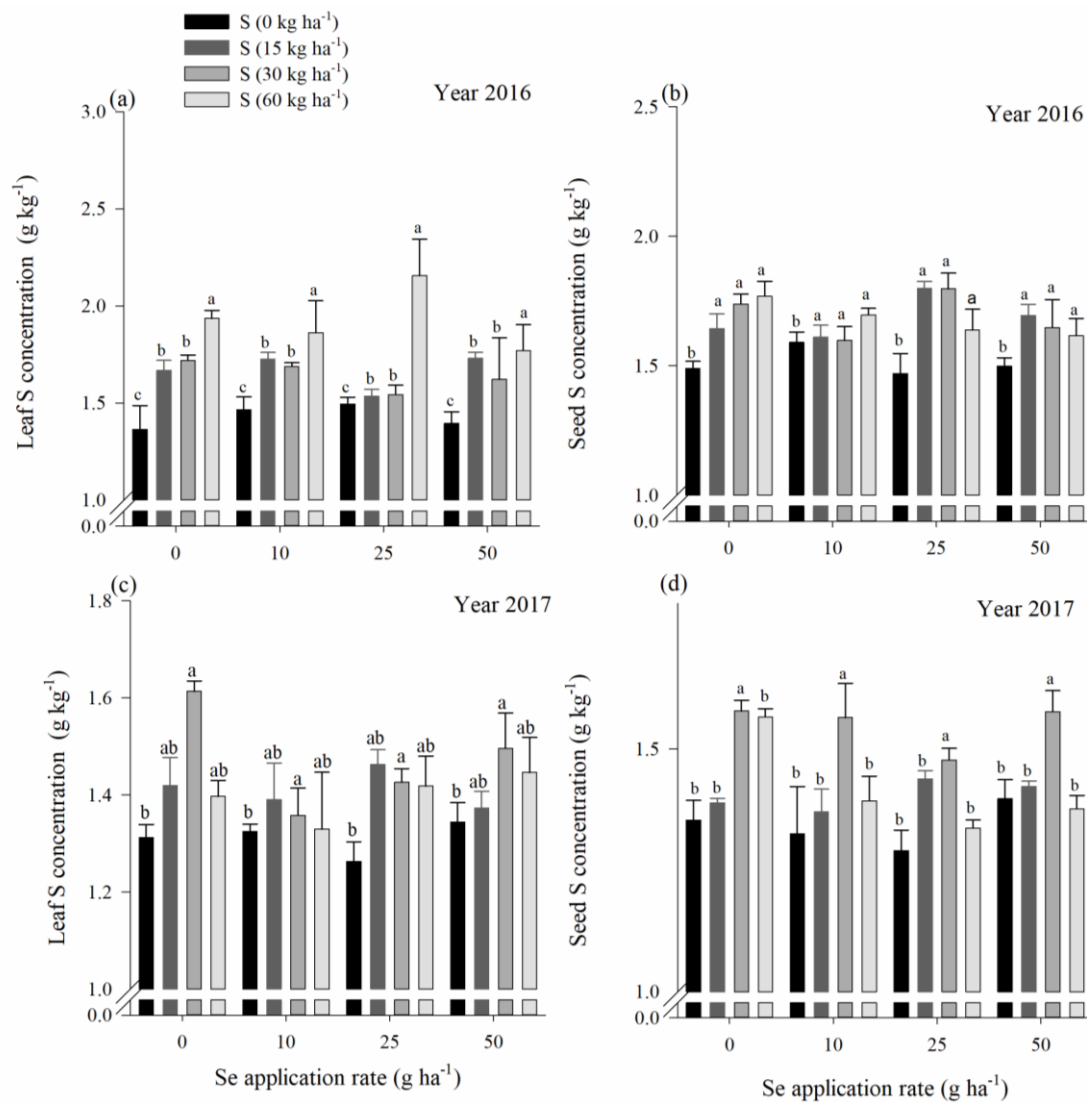


Figure 3. Leaf and seed S concentration for the first (a-b) and second (c-d) year of cowpea plants in response to Se and Se combination. Error bars indicates the standard error of mean (n=4). Different uppercase letters indicate difference between means according to tukey test ($p \leq 0.05$). ns = not significantly according to tukey test ($p \leq 0.05$). CV (%) = 11.95 (a); 7.71 (b); 8.15(c); 5.95 (d).

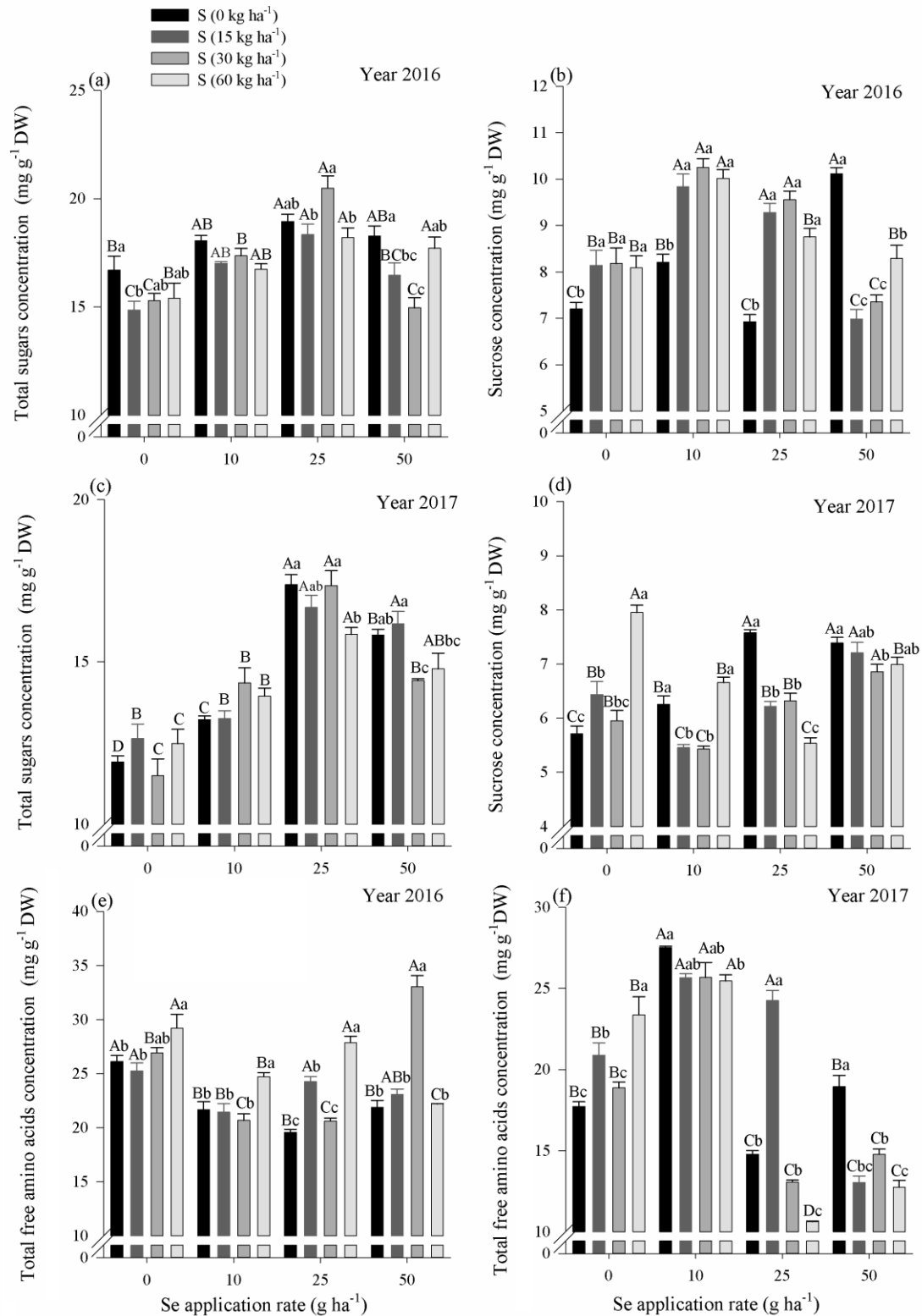


Figure 4. Sucrose, total sugar and total free amino acids concentration in seeds in the first (a-b and e) and second (c-d and f) year of cowpea plants in response to Se and S combination. Error bars indicates the standard error of mean (n=4). Different letters indicate difference between means according to tukey test ($p \leq 0.05$). Uppercase letters

correspond to Se rates, and lowercase letters correspond to S rates. ns = not significantly according to tukey test ($p \leq 0,05$). CV (%) = 5.35 (a); 5.07 (b); 4.61 (c); 3.97 (d); 5.42 (e); 5.40 (f). Interaction between Se and S according to tukey test ($p \leq 0,05$) observed in: a (S rates under 0, 25 and 50 g ha⁻¹ of Se, and Se rates under all S rates); c (S rates under 25 and 50 g ha⁻¹ of Se, and Se rates under all S rates); b, d, e and f (S rates under all Se rates, and Se rates under all S rates).

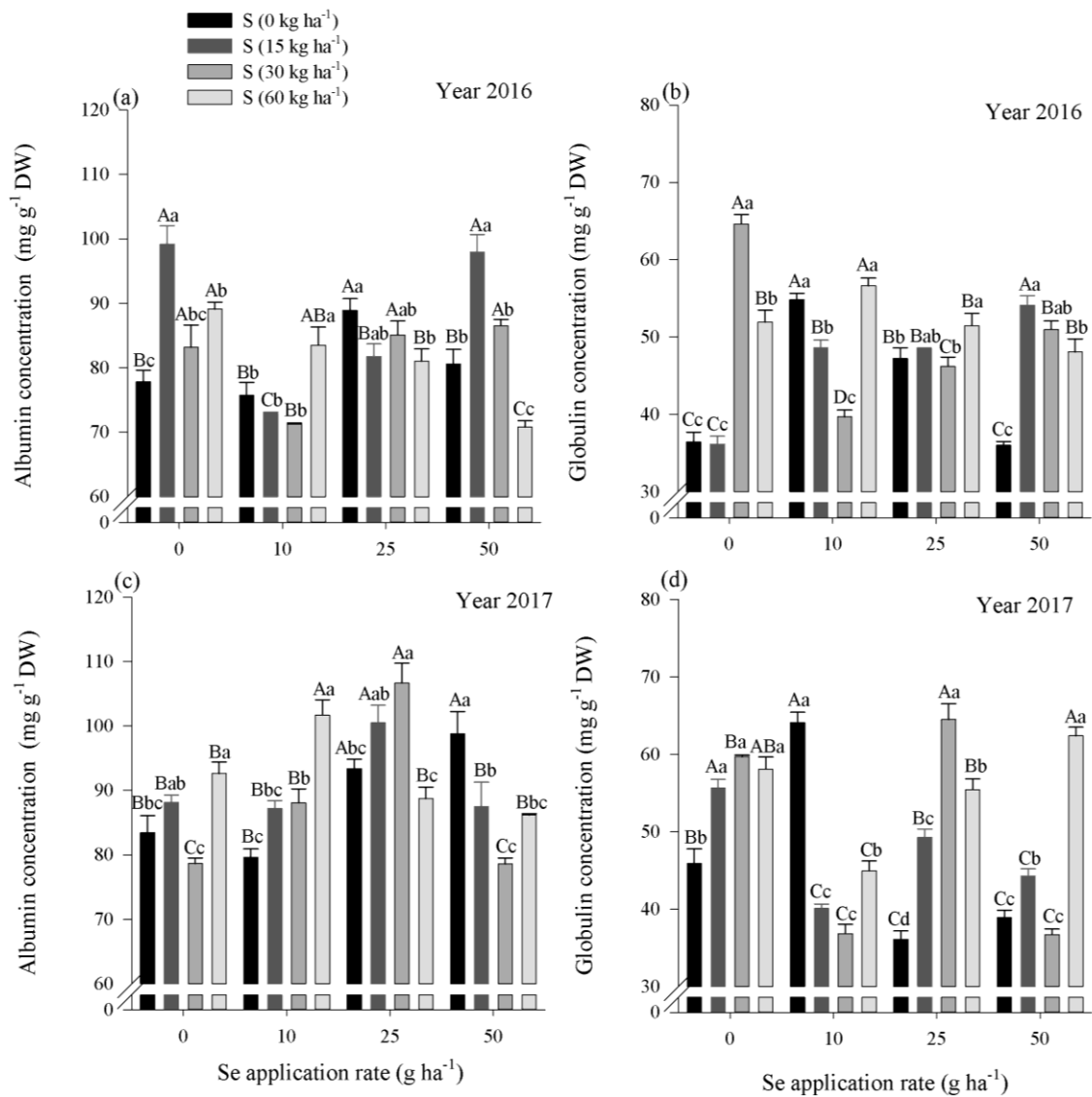


Figure 5. Albumin and globulin concentration in seeds for the first (a-b) and second (c-d) year of cowpea plants in response to Se and S combination. Error bars indicates the standard error of mean (n=4). Different letters indicate difference between means according to tukey test ($p \leq 0.05$). Uppercase letters correspond to Se rates, and lowercase letters correspond to S rates. ns = not significantly according to tukey test ($p \leq 0.05$). CV (%) = 4.95 (a); 4.47 (b); 4.71 (c); 4.74 (d). Interaction between Se and S according to tukey test ($p \leq 0.05$) observed in: a, b, c and d (S rates under all Se rates, and Se rates under all S rates).

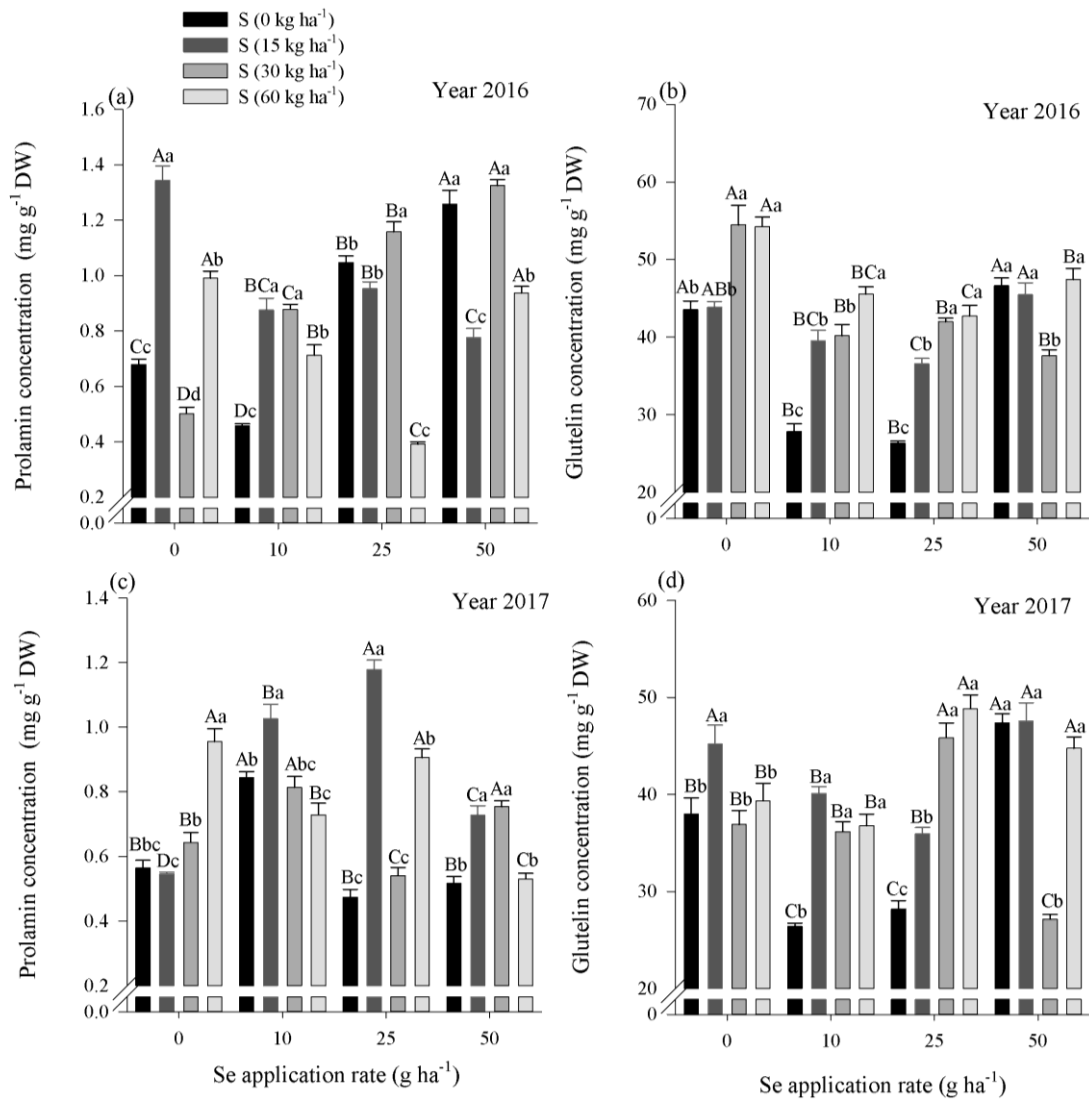


Figure 6. Prolamin and glutelin concentration in seeds for the first (a-b) and second (c-d) year of cowpea plants in response to Se and S combination. Error bars indicate the standard error of mean (n=4). Different letters indicate differences between means according to Tukey test (p ≤ 0.05). Uppercase letters correspond to Se rates, and lowercase letters correspond to S rates. ns = not significantly according to Tukey test (p ≤ 0.05). CV (%) = 6.50 (a); 5.74 (b); 7.02 (c); 6.63 (d). Interaction between Se and S according to Tukey test (p ≤ 0.05) observed in: a, b, c and d (S rates under all Se rates, and Se rates under all S rates).