**S2 Table. Analysis of variance for photosynthetic rate (*A*) and stomatal conductance (*gs*) when the irrigation system is scaled up to phenotype diverse sorghum genotypes.**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Source of variation |  | ***A* control** | |  | ***A* drought** | |  | ***gs* control** | |  | ***gs*drought** | |
|  | *F* Value | *p* value |  | *F* Value | *p* value |  | *F* Value | *p* value |  | *F* Value | *p* value |
| Rep |  | 11.97 | 0.0013 |  | 8.34 | 0.0062 |  | 0.53 | 0.4706 |  | 2.02 | 0.1628 |
| Geno |  | 1.71 | 0.0443 |  | 1.81 | 0.0299 |  | 1.33 | 0.1823 |  | 1.7 | 0.0462 |

Rep: replication effect. Geno: genotype effect