# S2 Table Experimental design of seedling disease resistance assays.

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| --- | --- | --- | --- | --- | --- |
| Population | Stripe rust isolate | Experimental design | No. of replications | Checks | |
| Susceptible | Resistant |
| DH | W009 | Alpha-lattice design | 3 | Kofa, Avocet | W9262-260D3 |
| W015 | Kofa, Avocet | W9262-260D3 |
| Validation | FC | Alpha-lattice design | 3 | Brigade, DT749 | Lillian, DT546 |
| W009 | Avocet, Brigade, DT749 | Lillian, DT546 |
| W015 | Avocet, Brigade, DT749 | Lillian, DT546 |