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| **TABLE S1**  **T-DNA insertion lines used in this study** | | | |
| Genotype | Ecotype | Insertion location | Insertion sequence | |
| **Lines characterised by this study** | | | | |
| *ptst-1* (SALK\_025022) | Col | Exon 3 | TGTCTAAGCGTCAA// (5 bp) aagatttactagat | |
| *ptst-2* (FLAG\_622E03) | Ws | Exon 9 | gaaatttaggtacg (0 bp) // AGAAACCCCAACCC | |
| Genotype | Ecotype | Reference |  | |
| **Previously characterised lines** | | | | |
| *dpe1*  (GABI\_339B11) | Col | [50] |  | |
| *gbss*  (GABI\_914G01) | Col | [9] |  | |
| *sex4*  (SALK\_102567) | Col | [32] |  | |
| For the lines characterised by this study, the location of the T-DNA insertion is shown together with the sequence flanking the insertion. The portion of the sequence corresponding to the *PTST* gene is displayed in lower case and the T-DNA-derived sequence in upper case. The length of the intervening sequence (not derived from either the T-DNA or the gene) is shown in parenthesis. | | | |