Table S5. Analysis of half-life in non-transgenic, *OsGRP3OE* and *OsGRP3KD* transgenic plants.

| Gene | Plants | Half-life | Equation |
|------|--------|-----------|----------|
|      |        | min       | a        | b        | Y=aX+b     |
| **PR5** | NT     | 115.38    | -0.0043  | 1        | y=-0.0043x+1 |
|       | *OsGRP3OE* | 187.50  | -0.00267 | 1        | y=-0.0026x+1 |
|       | *OsGRP3KD* | 93.75   | -0.00533 | 1        | y=-0.0053x+1 |
| **PR5** | NT     | 263.16    | -0.00190 | 1        | y=-0.0019x+1 |
| (Drought) | *OsGRP3OE* | N.D.  | 0.00160  | 1        | y=0.0016x+1 |
|       | *OsGRP3KD* | 238.10  | -0.00210 | 1        | y=-0.0021x+1 |
| **MT1d** | NT     | 187.50    | -0.00267 | 1        | y=-0.0026x+1 |
|       | *OsGRP3OE* | 107.14  | -0.00467 | 1        | y=-0.0046x+1 |
|       | *OsGRP3KD* | 250.00  | -0.00200 | 1        | y=-0.0020x+1 |
| **MT1d** | NT     | N.D.  | 0.00317  | 1        | y=0.0031x+1 |
| (Drought) | *OsGRP3OE* | N.D.  | 0.00177  | 1        | y=0.0017x+1 |
|       | *OsGRP3KD* | N.D.  | 0.00383  | 1        | y=0.0038x+1 |
| **DOPA** | NT     | 306.75    | -0.00163 | 1        | y=-0.0016x+1 |
|       | *OsGRP3OE* | 409.84  | -0.00122 | 1        | y=-0.0013x+1 |
|       | *OsGRP3KD* | 204.08  | -0.00245 | 1        | y=-0.0023x+1 |
| **LOX** | NT     | 427.34    | -0.00119 | 1        | y=-0.0013x+1 |
|       | *OsGRP3OE* | 230.41  | -0.00217 | 1        | y=-0.0023x+1 |
|       | *OsGRP3KD* | 462.96  | -0.00098 | 1        | y=-0.0013x+1 |

*a*Not Determined, half-lives were not determined due to positive value of slope. *b*Stability of RNAs was analyzed under drought conditions.