

Table S5. Analysis of half-life in non-transgenic, *OsGRP3^{OE}* and *OsGRP3^{KD}* transgenic plants.

| Gene | Plants | Half-life | Equation | | |
|---------------------------------------|----------------------------|-------------------|----------|---|--------------|
| | | min | a | b | Y=aX+b |
| <i>PR5</i> | NT | 115.38 | -0.00433 | 1 | y=-0.0043x+1 |
| | <i>OsGRP3^{OE}</i> | 187.50 | -0.00267 | 1 | y=-0.0026x+1 |
| | <i>OsGRP^{KD}</i> | 93.75 | -0.00533 | 1 | y=-0.0053x+1 |
| <i>PR5</i> (Drought) ^b | NT | 263.16 | -0.00190 | 1 | y=-0.0019x+1 |
| | <i>OsGRP3^{OE}</i> | N.D. ^a | 0.00160 | 1 | y=0.0016x+1 |
| | <i>OsGRP^{KD}</i> | 238.10 | -0.00210 | 1 | y=-0.0021x+1 |
| <i>MT1d</i> | NT | 187.50 | -0.00267 | 1 | y=-0.0026x+1 |
| | <i>OsGRP3^{OE}</i> | 107.14 | -0.00467 | 1 | y=-0.0046x+1 |
| | <i>OsGRP^{KD}</i> | 250.00 | -0.00200 | 1 | y=-0.0020x+1 |
| <i>MT1d</i> (Drought) ^b | NT | N.D. ^a | 0.00317 | 1 | y=0.0031x+1 |
| | <i>OsGRP3^{OE}</i> | N.D. ^a | 0.00177 | 1 | y=0.0017x+1 |
| | <i>OsGRP^{KD}</i> | N.D. ^a | 0.00383 | 1 | y=0.0038x+1 |
| <i>DOPA</i> | NT | 306.75 | -0.00163 | 1 | y=-0.0016x+1 |
| | <i>OsGRP3^{OE}</i> | 409.84 | -0.00122 | 1 | y=-0.0013x+1 |
| | <i>OsGRP^{KD}</i> | 204.08 | -0.00245 | 1 | y=-0.0023x+1 |
| <i>LOX</i> | NT | 427.34 | -0.00119 | 1 | y=-0.0013x+1 |
| | <i>OsGRP3^{OE}</i> | 230.41 | -0.00217 | 1 | y=-0.0023x+1 |
| | <i>OsGRP^{KD}</i> | 462.96 | -0.00098 | 1 | y=-0.0013x+1 |

^aNot Determined, half-lives were not determined due to positive value of slope. ^bStability of RNAs was analyzed under drought conditions.