**Table S5:** *U. maydis* strain list

|  |  |  |  |
| --- | --- | --- | --- |
| Strain | Relevant genotype | Resistance1 | Reference |
| FB1 | *a1b1* |  | Banuett & Herskowitz, 1989 |
| FB2 | *a2b2* |  | Banuett & Herskowitz, 1989 |
| FB1PotefRos1mCherry-Pnup107Nup107eGFP | *a1b1 nup107:egfp ble ipr[Potef:um05853:mcherry]ips* | P, C | This study |
| FB1Δros1 | *a1b1*; *ros1*::*hyg* | H | This study |
| FB2Δros1 | *a2b2*; *ros1*::*hyg* | H | This study |
| FB1Δros1-Ros1 | *a1b1* *ros1*::*hyg* *ipr*[P*ros1*:*ros1*]*ips* | H, C | This study |
| FB1Δros1-Ros1 | *a2b2* *ros1*::*hyg* *ipr*[P*ros1*:*ros1*]*ips* | H, C | This study |
| FB1Pnup107Nup107eGFP-Psso1Sso1mCherry | *a1b1* *nup107*:*egfp* *ble* *ipr*[P*sso1*:*sso1*:*mcherry*]*ips* | P, C | This study |
| FB2Pnup107Nup107eGFP- Psso1Sso1mCherry | *a2b2* *nup107*:*egfp* *ble* *ipr*[P*sso1*:*sso1*:*mcherry*]*ips* | P, C | This study |
| FB1Δros1Pnup107Nup107eGFP- Psso1Sso1mCherry | *a1b1 ros1::hyg nup107:egfp ble ipr[Psso1:sso1:mcherry]ips* | P, C, H | This study |
| FB2Δros1Pnup107Nup107eGFP- Psso1Sso1-mCherry | *a2b2 ros1::hyg nup107:egfp ble ipr[Psso1:sso1:mcherry]ips* | P, C, H | This study |
| FB1ros1Pmig2-6Ros1 | *a1b1, ros1::hyg ipr[Pmig2.6:ros1]ips* | H, C | This study |
| FB2ros1Pmig2-6Ros1 | *a2b2, ros1::hyg ipr[Pmig2.6:ros1]ips* | H, C | This study |
| AB33 | *a2 Pnar:bW2 Pnar:bE1 ble* | P | Brachmann et al, 2001 |
| AB33Pcrg1Ros1 | *a2 Pnar:bW2 Pnar:bE1 ble Pcrg1:ros1 cbx* | P, C | This study |
| FB1Δros1-Ros1HA | *a1b1 ros1:hyg ipr[Pros1:ros1:3xHA]ips* | H, C | This study |
| FB2Δros1-Ros1HA | *a2b2 ros1:hyg ipr[Pros1:ros1:3xHA]ips* | H, C | This study |
| FB1ΔUMAG\_02775 | *a1b1, um02775::hyg* | H | This study |
| FB2ΔUMAG\_02775 | *a2b2, um02775::hyg* | H | This study |
| FB1ΔUMAG\_02775-UMAG\_02775 | *a1b1, um02775::hyg ipr[Pum02775:um02775]ips* | H, C | This study |
| FB2ΔUMAG\_02775-UMAG\_02775 | *a2b2, um02775::hyg ipr[Pum02775:um02775]ips* | H, C | This study |
| FB1ΔUMAG\_01390 | *a1b1, um01390::hyg* | H | This study |
| FB2ΔUMAG\_01390 | *a2b2, um01390::hyg* | H | This study |
| FB1ΔUMAG\_01390-UMAG\_01390 | *a1b1, um01390::hyg ipr[Pum01390:um01390]ips* | H, C | This study |
| FB2ΔUMAG\_01390-UMAG\_01390 | *a2b2, um01390::hyg ipr[Pum01390:um01390]ips* | H, C | This study |

1 Hygromycin resistance (H), Carboxin resistance (C), Phleomycin resistance (P)