**Table S1:** Categorization of 124 germplasm genotypes based on COP and marker NJ-UPGMA and type and percentage spikelet fertility in F1s for genetic diversity analysis

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Genotype** | **Pedigree** | **COP Grouping1** | **Marker Grouping1** | **Cultivar Type2** | **SF%3** | **Category4** |
| **Bacterial blight resistant lines** | |  |  |  |  |  |  |
| 1 | IRBB 1 | IR 24\*5/Kogyoku | A | C2 | *ind* | 60.43 | PR |
| 2 | IRBB 3 | IR 24\*5/Chugoku 45 | A | C2 | *ind* | 67.84 | PR |
| 3 | IRBB 4 | IR 24\*5/IR 20 | A | C2 | *ind* | 80.30 | R |
| 4 | IRBB 5 | IR 24\*5/IR 1545-339 | A | C2 | *ind* | 81.18 | R |
| 5 | IRBB 7 | IR 24\*5/DV 85 | A | C2 | *ind* | 85.90 | R |
| 6 | IRBB 8 | IR 24\*5/PI 231129 | A | C2 | *ind* | 80.60 | R |
| 7 | IRBB 10 | IR 24\*5/CAS 209 | A | C2 | *ind* | 81.67 | R |
| 8 | IRBB 11 | IR 24\*5/IR 8 | A | C2 | *ind* | 78.32 | R |
| 9 | IRBB 13 | BJ 1/5\*IR 24 | A | C2 | *ind* | 81.71 | R |
| 10 | IRBB 14 | Taichung Native 1/5\*IR 24 | A | C2 | *ind* | 69.37 | PR |
| 11 | IRBB 21 | IR 24\*8/*O. longistaminata* | A | C2 | *ind* | 71.43 | R |
| 12 | IRBB 50 | IR24 with *Xa4*+*xa5* genes | A | C2 | *ind* | 67.60 | PR |
| 13 | IRBB 51 | IR BB 4/IR 66699-9-1-1-5-2 | A | C2 | *ind* | 80.74 | R |
| 14 | IRBB 52 | IR BB 4/IR 66700-3-3-3-4-2 | A | C2 | *ind* | 81.06 | R |
| 15 | IRBB 53 | IR BB 5/IR 66699-9-1-1-5-2 | A | C2 | *ind* | 75.16 | R |
| 16 | IRBB 54 | IR BB 5/IR 66700-3-3-3-4-2 | A | C2 | *ind* | 81.97 | R |
| 17 | IRBB 55 | IR 66699-9-1-1-5-2/IR 66700-3-3-3-4-2 | A | C2 | *ind* | 78.11 | R |
| 18 | IRBB 56 | AY 4+5/IR 68311-13-3-42 | A | D1 | *ind* | 66.85 | PR |
| 19 | IRBB 57 | AY 4+5/IR 66700-4-2-9-5-2 | A | C2 | *ind* | 76.44 | R |
| 20 | IRBB 59 | NH 11-35/NH 9-53 | A | C2 | *ind* | 82.00 | R |
| 21 | IRBB 60 | NH 11-35/NH 9-53 | A | C2 | *ind* | 78.98 | R |
| 22 | IR 65483-104-11-4-23-B-B | IR 56\*4/*O. brachyantha* | A | C1 | *ind* | 85.00 | R |
| 23 | IR 65483-104-13-13-22-B | IR 56\*4/*O. brachyantha* | A | C1 | *ind* | 84.70 | R |
| 24 | IR 65483-111-5-9-2-11-B | IR 56\*4/*O. brachyantha* | A | C1 | *ind* | 87.60 | R |
| 25 | IR 65483-113-5-2-18-B | IR 56\*4/*O. brachyantha* | A | C1 | *ind* | 88.00 | R |
| 26 | IR 65483-118-25-31-7-1-7-B | IR 56\*4/*O. brachyantha* | A | C1 | *ind* | 81.36 | R |
| 27 | IR 65483-127-4-4-19-B | IR 56\*4/*O. brachyantha* | A | C1 | *ind* | 82.23 | R |
| 28 | IR 65483-141-2-4-4-2-5-B | IR 56\*4/*O. brachyantha* | A | C1 | *ind* | 83.78 | R |
| 29 | IR 65483-144-2-6-23-B | IR 56\*4/*O. brachyantha* | A | C1 | *ind* | 88.92 | R |
| 30 | IR 65483-147-2-17-4-B-B | IR 56\*4/*O. brachyantha* | A | C1 | *ind* | 82.56 | R |
| 31 | IR 75083-19-22-21-1-B-B | IR 65600-81-5-3-2\*2/*O. longistaminata* | C1 | A2 | tpl *jpn* | 74.69 | R |
| 32 | IR 75084-15-11-B-B | IR 65600-81-5-3-2\*2/ *O. officinalis* (W0065) | C1 | A2 | tpl *jpn* | 84.00 | R |
| 33 | IR 75085-21-4-B-B | IR 65600-81-5-3-2/ *O. officinalis* (101399) | C1 | A2 | tpl *jpn* | 13.41 | PM |
| 34 | IR 75085-29-2-B-B-B | IR 65600-81-5-3-2/ *O. officinalis* (101399) | C1 | A2 | tpl *jpn* | 11.34 | PM |
| 35 | IR 75085-29-4-B-B | IR 65600-81-5-3-2/ *O. officinalis* (101399) | C1 | A2 | tpl *jpn* | 17.29 | PM |
| 36 | IR 75085-30-1-B-B | IR 65600-81-5-3-2/ *O. officinalis* (101399) | C1 | A2 | tpl *jpn* | 85.00 | R |
| 37 | IR 75085-30-4-B-B | IR 65600-81-5-3-2/ *O. officinalis* (101399) | C1 | A2 | tpl *jpn* | 26.36 | PM |
| 38 | IR 75085-35-2-B-B-B | IR 65600-81-5-3-2/ *O. officinalis* (101399) | C1 | A2 | tpl *jpn* | 81.25 | R |
| 39 | IR 75085-35-4-B-B | IR 65600-81-5-3-2/ *O. officinalis* (101399) | C1 | D2 | tpl *jpn* | 43.94 | PR |
| 40 | IR 75862-139-2-5-22-B-B | IR 65600-81-5-3-2\*3/*O. longistaminata* | C1 | A2 | tpl *jpn* | 75.00 | R |
| 41 | IR 75862-143-5-38-22-B-B | IR 65600-81-5-3-2\*3/*O. longistaminata* | C1 | A2 | tpl *jpn* | 28.65 | PM |
| 42 | IR 75862-208-6-2-B-B | IR 65600-81-5-3-2\*3/*O. longistaminata* | C1 | A2 | tpl *jpn* | 73.88 | R |
| 43 | IR 75862-208-26-3-B-B | IR 65600-81-5-3-2\*3/*O. longistaminata* | C1 | A2 | tpl *jpn* | 71.75 | R |
| 44 | IR 75862-212-47-10-3-B | IR 65600-81-5-3-2\*3/*O. longistaminata* | C1 | A2 | tpl *jpn* | 20.15 | PM |
| 45 | IR 75862-221-2-1-3-B-B | IR 65600-81-5-3-2\*3/*O. longistaminata* | C1 | B2 | tpl *jpn* | 32.04 | PR |
| 46 | IR 75862-272-3-27-2-B-B | IR 65600-81-5-3-2\*3/*O. longistaminata* | C1 | A2 | tpl *jpn* | 0.00 | M |
| 47 | IR 75863-30-5-B-B-B | IR 65600-81-5-3-2\*3/*O. officinalis* (W0065) | C1 | A2 | tpl *jpn* | 71.79 | R |
| 48 | IR 75864-68-8-B-B | IR 65600-81-5-3-2\*3/*O. officinalis* (101399) | C1 | A2 | tpl *jpn* | 41.45 | PR |
| 49 | IR 77981-9-10-1-B-B | IR 65600-81-5-3-2\*5/*O. minuta* (W1342) | C1 | A2 | tpl *jpn* | 25.00 | PM |
| 50 | IR 77981-37-25-B-B | IR 65600-81-5-3-2\*5/*O. minuta* (W1342) | C1 | A2 | tpl *jpn* | 29.00 | PM |
| 51 | IR 77981-66-8-B-B | IR 65600-81-5-3-2\*5/*O. minuta* (W1342) | C1 | A2 | tpl *jpn* | 20.00 | PM |
| **Blast resistant lines** | |  |  |  |  |  |  |
| 52 | IRBL3-CP4 | Lijiang Xintuan Heigu\*3/C 104 PKT | C2 | A1 | *jpn* | 0.00 | M |
| 53 | IRBL1-CL | Lijiang Xintuan Heigu\*4/C 101 LAC | A | A1 | *jpn* | 0.00 | M |
| 54 | IRBL12-M | Lijiang Xintuan Heigu\*3/RIL 10 (MORO) | C2 | A1 | *jpn* | 0.00 | M |
| 55 | IRBL19-A | Lijiang Xintuan Heigu\*2/Aichi Asahi | C2 | A1 | *jpn* | 0.00 | M |
| 56 | IRBL5-M | Lijiang Xintuan Heigu\*4/RIL 249 | C2 | A1 | *jpn* | 0.00 | M |
| 57 | IRBL7-M | Lijiang Xintuan Heigu\*4/RIL 29 | C2 | A1 | *jpn* | 0.00 | M |
| 58 | IRBL9-W | Lijiang Xintuan Heigu\*4/WHD IS-75-1-127 | A | A1 | *jpn* | 0.00 | M |
| 59 | IRBLA-C | Lijiang Xintuan Heigu\*2/CO 39 | A | A1 | *jpn* | 0.00 | M |
| 60 | IRBLKH-K3 | Lijiang Xintuan Heigu\*2/K 3 | C2 | D2 | *jpn* | 0.00 | M |
| 61 | IRBLKM-TS | Lijiang Xintuan Heigu\*2/Tsuyuake | C2 | A1 | *jpn* | 0.00 | M |
| 62 | IRBLKP-K60 | Lijiang Xintuan Heigu\*2/K 60 | C2 | A1 | *jpn* | 0.00 | M |
| 63 | IRBLSH-B | Lijiang Xintuan Heigu\*2/BL-1 | C2 | A1 | *jpn* | 0.00 | M |
| 64 | IRBLSH-S | Lijiang Xintuan Heigu\*2/SHIN 2 | C2 | A1 | *jpn* | 0.00 | M |
| 65 | IRBLTA-CP1 | Lijiang Xintuan Heigu\*6/C 101 PKT | C2 | B2 | *jpn* | 0.00 | M |
| 66 | IRBLTA-CT2 | Lijiang Xintuan Heigu\*4/C 105 TTP-2L 9 | A | A1 | *jpn* | 0.00 | M |
| 67 | IRBLTA-K1 | Lijiang Xintuan Heigu\*3/K 1 | A | A1 | *jpn* | 0.00 | M |
| 68 | IRBLTA2-PI | Lijiang Xintuan Heigu\*2/PI NO.4 | C2 | A1 | *jpn* | 0.00 | M |
| 69 | IRBLZ-FU | Lijiang Xintuan Heigu\*2/Fukunishiki | C2 | A1 | *jpn* | 0.00 | M |
| 70 | IRBLZ5-CA | Lijiang Xintuan Heigu\*4/C 101 A 51 | A | A1 | *jpn* | 0.00 | M |
| 71 | WHD-IS-75-1-127 | CO 39 with *Pi-9(t)* gene | A | B2 | *ind* | 64.11 | PR |
| 72 | CT 13436 | CO 39 with *Pi-1*+*Pi-4* genes | A | B2 | *ind* | 12.78 | PM |
| 73 | CT 13433 | CO 39 with *Pi-2*+*Pi-4* genes | A | B2 | *ind* | 10.51 | PM |
| 74 | CT 13433 | CO 39 with *Pi-1* gene | A | B2 | *ind* | 5.54 | M |
| **Brown planthopper resistant lines** | |  |  |  |  |  |  |
| 75 | IR 31917-45-3-2 | IR 27193 / IR 17494-32-3-1-1-3 | B | B2 | *ind* | 27.91 | PM |
| 76 | IR 54751-1-2-44-15-2-3-B | IR 1529-680-3-2\*3/*O officinalis* | A | B2 | *ind* | 80.00 | R |
| 77 | IR 54751-2-41-10-5-1-B | IR 1529-680-3-2\*3/*O officinalis* | A | B2 | *ind* | 80.00 | R |
| 78 | IR 65482-4-136-2-2-B | IR 31917-45-3-2-2\*3/*O. australiensis* | B | B2 | *ind* | 86.96 | R |
| 79 | IR 65482-7-216-1-2-B | IR 31917-45-3-2-2\*3/*O. australiensis* | B | B2 | *ind* | 87.72 | R |
| 80 | IR 65482-17-511-5-7-B | IR 31917-45-3-2-2\*3/*O. australiensis* | B | B2 | *ind* | 86.21 | R |
| 81 | IR 65482-18-539-2-2-B | IR 31917-45-3-2-2\*3/*O. australiensis* | B | B2 | *ind* | 84.03 | R |
| 82 | IR 71033-4-1-127-B | IR 31917-45-3-2\*4/*O. minuta* (ACC 101141) | B | B2 | *ind* | 33.51 | PR |
| 83 | IR 71033-62-15-8 | IR 31917-45-3-2\*4/*O. minuta* (ACC 101141) | B | D1 | *ind* | 35.57 | PR |
| 84 | IR 71033-121-15-B | IR 31917-45-3-2\*4/*O. minuta* (ACC 101141) | B | D1 | *ind* | 85.00 | R |
| 85 | IR 73382-7-12-1-1-B | IR 64 / LUA MA | C1 | D1 | *ind* | 82.64 | R |
| **Salinity tolerant lines** | |  |  |  |  |  |  |
| 86 | IR 71917-30-B-1-B-2-1 | Pokkali B / FR 13 A | C1 | A1 | *ind* | 40.00 | PR |
| 87 | IR 71995-3R-1-1 | IR 5 / IRRI 125 | A | B2 | *ind* | 40.00 | PR |
| 88 | IR 71991-3R-2-1 | IR 5 / IRRI 126 | A | A2 | *ind* | 10.00 | M |
| 89 | IR 72046-B-R-7-2-2-1 | IR 31142-14-1-1-3-2 / IR 71350 | C1 | B2 | *ind* | 82.35 | R |
| 90 | IR 72402-B-P-25-3-1 | IR 64 / IRRI 125 | C1 | D1 | *ind* | 87.93 | R |
| 91 | IR 72476-B-P-9-3-1-1 | Agami MI / Pokkali B | C1 | B1 | *ind* | 83.67 | R |
| 92 | IR 72593-B-3-2-2-2 | IRRI 125//IR 20/IR 24 | A | D1 | *ind* | 89.53 | R |
| 93 | IR 72593-B-3-2-3-5 | IRRI 125//IR 20/IR 24 | A | D1 | *ind* | 89.45 | R |
| 94 | IR 74099-3R-5-3 | Daeyabyeo / Giza 177 | C2 | B1 | *jpn* | 30.00 | PM |
| 95 | IR 74100-3R-10-3 | Daeyabyeo / Giza 178 | C2 | B1 | *jpn* | 62.53 | PR |
| 96 | IR 74101-3R-1-1 | Daeyabyeo / Sakha 101 | C2 | B1 | *jpn* | 48.14 | PR |
| 97 | IR 74102-3R-5-1 | Daeyabyeo / Sakha 102 | C2 | B1 | *jpn* | 51.99 | PR |
| 98 | IR 74102-3R-9-3 | Daeyabyeo / Sakha 102 | C2 | B1 | *jpn* | 34.18 | PR |
| 99 | IR 74103-3R-3-1 | Daeyabyeo / M 202 | C2 | B1 | *jpn* | 81.30 | R |
| 100 | IR 74105-3R-2-2 | Daeyabyeo / M 401 | C2 | D1 | *jpn* | 85.00 | R |
| 101 | IR 74106-3R-8-2-1 | Daeyabyeo / S 102 | C2 | D1 | *jpn* | 60.00 | PR |
| 102 | IR 74106-3R-9-1-1 | Daeyabyeo / S 102 | C2 | B2 | *jpn* | 40.00 | PR |
| 103 | IR 76393-2B-7-1-1-3-3 | IR 71657-5R-B-12 PB / IRRI 126 | A | D2 | *ind* | 85.00 | R |
| 104 | IR 77799-11-3-5-3-3-2 | Sakha 101/Namyang 7 // Daeyabyeo | C1 | D2 | *jpn* | 70.00 | R |
| **Abiotic stress tolerant lines** | |  |  |  |  |  |  |
| 105 | IR 73678-13-2-1-3-2-B | IR 73382-121 / IR 64 | C1 | D2 | *ind* | 85.76 | R |
| 106 | IR 73759-128-1-3-3-1-B | IR 74\*2/LUA MA | B | D2 | *ind* | 83.76 | R |
| 107 | IR 73678-8-1-3-3-2-B | IR 73382-121 / IR 64 | C1 | D2 | *ind* | 60.00 | PR |
| 108 | IR 55423-01 | UPL RI 5 / IR 12979-24-1 (Brown) | B | D2 | *ind* | 50.88 | PR |
| 109 | IR 80310-12-B-1-3-B | IR 77429 / IRRI 132 | B | D2 | *ind* | 40.00 | PR |
| 110 | IR 80314-4-B-1-3-B | IR 77433 / IRRI 132 | B | D2 | *ind* | 74.00 | R |
| **Drought tolerant lines** | |  |  |  |  |  |  |
| 111 | IR 71700-247-1-1-2 | IR 66159-164-5-3-5 / IR 64 | C1 | D1 | *ind* | 81.30 | R |
| 112 | IR 72862-27-3-2-3 | IR 63868-2-3-2-3-2 / IR 00A104 | A | D1 | *ind* | 75.61 | R |
| 113 | IR 72894-35-2-2-2 | IR 61961-159-2-3-3-2-2 / IR 68056-115-3-2 | B | D2 | *ind* | 49.27 | PR |
| 114 | IR 73009-3-1-1-3 | IR 65469-161-2-2-3-2-2 / IR 68059-5-2-1 | A | D2 | *ind* | 33.58 | PR |
| 115 | IR 74963-262-5-1-3-3 | IR 43/IR 65564-22-2-3//IR 68 | A | D2 | *ind* | 81.97 | R |
| **High Iron content line** | |  |  |  |  |  |  |
| 116 | IR 68144-2B-2-2-3-1-120 | IR 72 / Zawa Bonday | A | D2 | *ind* | 85.00 | R |
| **Acid sulfate tolerant line** | |  |  |  |  |  |  |
| 117 | IR 73678-6-9-B | IR 73382-121 / IR 64 | C1 | D1 | *ind* | 58.00 | PR |
| **Iron toxicity tolerant line** | |  |  |  |  |  |  |
| 118 | IR 75870-5-8-5-B-2-B | OG 992-1 / IR 64 | C1 | D2 | *OG* | 20.00 | PM |
| **New Plant Type lines** | |  |  |  |  |  |  |
| 119 | IR 69502-6-SRN 3-UBN 1-B | IR 04L124/IRRI 119//IR 43524-55-1-3-2 | B | D2 | NPT | 87.37 | R |
| 120 | IR 80340-23-B-12-6-B | IR 77379 / IR 69502-6-SRN 3-UBN 1-B | B | D2 | NPT | 0.00 | M |
| 121 | IR 65600-81-5-3-2 | Shen Nung 89-366 / Ketan Lumbu | C1 | A2 | NPT | 67.09 | PR |
| 122 | IR 72176-140-1-2-2-3 | IR 68312-20-4-2-1-1 / IR 66159-131-4-3-2 | A | D1 | NPT | 56.00 | PR |
| 123 | IR 73971-87-1-1-1-1 | IR 68058-71-2-1 / IR 68552-55-3-2 | B | D1 | NPT | 65.00 | PR |
| 124 | IR 77186-122-2-2-3 | IRRI 134/IR 70479-45-2-3//IR 64680-81-2-2-1-3 | B | D1 | NPT | 30.00 | PM |

1Computed based on DARwin NJ-UPGMA

2 *ind***-***indica* rice; *jpn***-***japonica* rice; tpl *jpn***-** tropical *japonica* rice; NPT**-**New Plant Type rice, OG-*Oryza galberrima*

3 SF% **-**Spikelet fertility percentage of the F1 plant from crossing maintainer line IR58025A

4 M**-**maintainer; PM**-**partial maintainer; PR**-**partial restorer; R**-** restorer

**Table S2:** Selected markers from different chromosomes and their PIC values

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Marker** | **Chr.No.** | **Position (Mb)** | **Number of Alleles** | **Major Allele Frequency** | **Gene Diversity** | **PIC** |
| 1 | RM1 | 1 | 4.6 | 6 | 0.68 | 0.50 | 0.47 |
| 2 | RM283 | 1 | 4.9 | 4 | 0.62 | 0.52 | 0.44 |
| 3 | RM7466 | 1 | 5.7 | 2 | 0.86 | 0.24 | 0.21 |
| 4 | RM272 | 1 | 5.9 | 2 | 0.63 | 0.47 | 0.36 |
| 5 | RM3873 | 1 | 6.1 | 6 | 0.31 | 0.79 | 0.76 |
| 6 | RM1360 | 1 | 6.2 | 6 | 0.52 | 0.64 | 0.59 |
| 7 | RM576 | 1 | 8.1 | 3 | 0.67 | 0.49 | 0.43 |
| 8 | RM490 | 1 | 12.4 | 8 | 0.49 | 0.69 | 0.66 |
| 9 | RM443 | 1 | 28.7 | 2 | 0.56 | 0.49 | 0.37 |
| 10 | RM3632 | 1 | 32.2 | 5 | 0.28 | 0.78 | 0.75 |
| 11 | RM3148 | 1 | 0.7 | 4 | 0.62 | 0.56 | 0.51 |
| 12 | RM562 | 1 | 14.6 | 4 | 0.35 | 0.68 | 0.62 |
| 13 | RM165 | 1 | 40.1 | 3 | 0.83 | 0.30 | 0.27 |
| 14 | RM3340 | 2 | 0.4 | 6 | 0.30 | 0.75 | 0.71 |
| 15 | RM475 | 2 | 16.4 | 6 | 0.45 | 0.72 | 0.69 |
| 16 | RM208 | 2 | 25.1 | 4 | 0.38 | 0.69 | 0.63 |
| 17 | RM263 | 2 | 25.9 | 7 | 0.25 | 0.80 | 0.77 |
| 18 | RM14032 | 3 | 0.8 | 5 | 0.30 | 0.75 | 0.70 |
| 19 | RM14824 | 3 | 10.9 | 4 | 0.61 | 0.53 | 0.46 |
| 20 | RM16 | 3 | 23.1 | 6 | 0.41 | 0.69 | 0.64 |
| 21 | RM297 | 3 | 32.1 | 6 | 0.66 | 0.53 | 0.49 |
| 22 | RM16792 | 4 | 18 | 3 | 0.72 | 0.42 | 0.35 |
| 23 | RM3866 | 4 | 23.1 | 3 | 0.91 | 0.16 | 0.15 |
| 24 | RM17497 | 4 | 31.3 | 6 | 0.29 | 0.77 | 0.73 |
| 25 | RM509 | 5 | 16.3 | 3 | 0.53 | 0.54 | 0.44 |
| 26 | RM188 | 5 | 22.6 | 2 | 0.57 | 0.49 | 0.37 |
| 27 | RM413 | 5 | 2.2 | 6 | 0.57 | 0.62 | 0.59 |
| 28 | RM276 | 6 | 6.2 | 7 | 0.37 | 0.78 | 0.75 |
| 29 | RM7193 | 6 | 20.3 | 8 | 0.47 | 0.72 | 0.69 |
| 30 | RM412 | 6 | 30.3 | 5 | 0.65 | 0.54 | 0.51 |
| 31 | RM20705 | 6 | 30.4 | 2 | 0.80 | 0.31 | 0.26 |
| 32 | RM20884 | 7 | 1.3 | 4 | 0.70 | 0.45 | 0.40 |
| 33 | RM21253 | 7 | 7.1 | 4 | 0.50 | 0.60 | 0.51 |
| 34 | RM6344 | 7 | 25 | 2 | 0.71 | 0.41 | 0.33 |
| 35 | RM22123 | 7 | 28.5 | 2 | 0.99 | 0.02 | 0.02 |
| 36 | RM432 | 7 | 19 | 4 | 0.44 | 0.66 | 0.59 |
| 37 | RM25 | 8 | 11.4 | 4 | 0.68 | 0.48 | 0.42 |
| 38 | RM284 | 8 | 21.1 | 4 | 0.32 | 0.73 | 0.68 |
| 39 | RM477 | 8 | 28.1 | 4 | 0.44 | 0.61 | 0.53 |
| 40 | RM5799 | 9 | 3.8 | 5 | 0.70 | 0.47 | 0.43 |
| 41 | RM460 | 9 | 9.1 | 3 | 0.69 | 0.44 | 0.36 |
| 42 | RM409 | 9 | 14.4 | 3 | 0.57 | 0.57 | 0.49 |
| 43 | RM107 | 9 | 20.1 | 3 | 0.35 | 0.67 | 0.59 |
| 44 | RM258 | 10 | 18 | 5 | 0.41 | 0.68 | 0.63 |
| 45 | RM311 | 10 | 9.8 | 7 | 0.48 | 0.72 | 0.69 |
| 46 | RM184 | 10 | 16.4 | 4 | 0.66 | 0.51 | 0.47 |
| 47 | RM6100 | 10 | 18.8 | 5 | 0.63 | 0.54 | 0.49 |
| 48 | RM171 | 10 | 19 | 4 | 0.58 | 0.59 | 0.54 |
| 49 | RM1108 | 10 | 19.1 | 5 | 0.56 | 0.55 | 0.47 |
| 50 | RM228 | 10 | 22.2 | 5 | 0.38 | 0.73 | 0.69 |
| 51 | RM244 | 10 | 2.9 | 4 | 0.38 | 0.72 | 0.67 |
| 52 | RM269 | 10 | 13.4 | 6 | 0.61 | 0.59 | 0.55 |
| 53 | RM216 | 10 | 5.3 | 6 | 0.52 | 0.67 | 0.63 |
| 54 | RM441 | 11 | 6.1 | 5 | 0.49 | 0.68 | 0.64 |
| 55 | RM21 | 11 | 12.6 | 9 | 0.22 | 0.85 | 0.83 |
| 56 | RM7226 | 11 | 14.1 | 8 | 0.34 | 0.79 | 0.76 |
| 57 | RM27412 | 12 | 0.4 | 6 | 0.70 | 0.49 | 0.46 |
| 58 | RM7003 | 12 | 6.8 | 3 | 0.54 | 0.53 | 0.43 |
|  | **Mean** |  |  | **4.62** | **0.54** | **0.58** | **0.53** |