Table S1. Mean stemphylium blight severity (DS) for 115 recombinant inbred lines of *L. culinaris* subsp. *culinaris* cv. (Eston) x *L. ervoides* (IG 72815) and checks screened under field conditions at Ishurdi, Bangladesh in 2012/2013 and under controlled conditions at Saskatoon, Canada in 2012 and 2018.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Ishurdi 2012** | | | | **Saskatoon 2012** | | | **Saskatoon 2018** | | |
| **Genotype** | **Mean DS (%)** | **S.E.** | **Groupb** | **Mean DS (%)** | **S.E.** | **Groupb** | **Mean DS (%)** | **S.E.** | **Groupb** |
| ILL 5888a | 71.7 | 5.6 | A | 76.7 | 3.5 | A |  |  |  |
| ILL 8006a | 25.0 | 5.6 | KLMNO | 38.3 | 3.5 | STUVWXYZ(2)AB | 58.3 | 4.9 | ABCDEF |
| CDC Glamisa | 55.0 | 5.6 | BCDE | 63.3 | 3.5 | BCDEF | 65.0 | 4.9 | ABCD |
| Estona | 21.7 | 5.6 | LMNOP | 32.5 | 3.5 | XYZ(2)ABCDEFG | 48.3 | 4.9 | EFGHI |
| IG72815a | 15.0 | 5.6 | NOP | 18.9 | 3.5 | (2)KLMNOPQR | 31.7 | 4.9 | JKLMN |
| LR26-10 | 55.0 | 5.6 | BCDE | 63.3 | 3.5 | BCDEF | 51.7 | 4.9 | DEFGH |
| LR26-105 | 38.3 | 5.6 | FGHIJK | 34.2 | 3.5 | WXYZ(2)ABCDE | 65.0 | 4.9 | ABCD |
| LR26-107 | 21.7 | 5.6 | LMNOP | 35.8 | 3.5 | VWXYZ(2)ABCD | 65.0 | 4.9 | ABCD |
| LR26-108 | 51.7 | 5.6 | BCDEFG | 38.3 | 3.5 | STUVWXYZ(2)AB | 58.3 | 4.9 | ABCDEF |
| LR26-110 | 11.7 | 5.6 | OP | 22.8 | 3.5 | (2)HIJKLMNOP | 31.7 | 4.9 | JKLMN |
| LR26-112 | 21.7 | 5.6 | LMNOP | 55.8 | 3.5 | DEFGHIJKL | 58.3 | 4.9 | ABCDEF |
| LR26-115 | 31.7 | 5.6 | IJKLM | 41.7 | 3.5 | OPQRSTUVWX | 55.0 | 4.9 | CDEFG |
| LR26-116 | 31.7 | 5.6 | IJKLM | 60.0 | 3.5 | BCDEFGH | 55.0 | 4.9 | CDEFG |
| LR26-118 | 61.7 | 5.6 | ABC | 30.0 | 3.5 | (2)ABCDEFGHI | 51.7 | 4.9 | DEFGH |
| LR26-12 | 38.3 | 5.6 | FGHIJK | 14.2 | 3.5 | (2)OPQR | 55.0 | 4.9 | CDEFG |
| LR26-121 | 38.3 | 5.6 | FGHIJK | 18.3 | 3.5 | (2)LMNOPQR | 58.3 | 4.9 | ABCDEF |
| LR26-123 | 28.3 | 5.6 | JKLMN | 54.2 | 3.5 | FGHIJKLM | 51.7 | 4.9 | DEFGH |
| LR26-125 | 11.7 | 5.6 | OP | 18.3 | 3.5 | (2)LMNOPQR | 38.3 | 4.9 | HIJKL |
| LR26-128 | 13.3 | 5.6 | NOP | 15.8 | 3.5 | (2)MNOPQR | 28.3 | 4.9 | KLMN |
| LR26-13 | 31.7 | 5.6 | IJKLM | 35.0 | 3.5 | VWXYZ(2)ABCD | 41.7 | 4.9 | GHIJK |
| LR26-132 | 11.7 | 5.6 | OP | 15.0 | 3.5 | (2)NOPQR | 51.7 | 4.9 | DEFGH |
| LR26-134 | 65.0 | 5.6 | AB | 61.7 | 3.5 | BCDEFG | 58.3 | 4.9 | ABCDEF |
| LR26-136 | 41.7 | 5.6 | EFGHIJ | 69.2 | 3.5 | AB | 41.7 | 4.9 | GHIJK |
| LR26-138 | 15.0 | 5.6 | NOP | 20.8 | 3.5 | (2)IJKLMNOPQ | 28.3 | 4.9 | KLMN |
| LR26-139 | 35.0 | 5.6 | HIJKL | 34.2 | 3.5 | WXYZ(2)ABCDE | 48.3 | 4.9 | EFGHI |

a Canadian resistant check; CDC Glamis - Canadian susceptible check; ILL 8006 - Bangladeshi resistant check; ILL 5888 - Bangladeshi susceptible check, IG 72815 - Wild resistant parent.

b Group with the same letter are deem not significantly different at p ≥ 0.05.

Table S1. Continue

|  |  |  |  |  |  |  |  |  |  |
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| **Ishurdi 2012** | | | | **Saskatoon 2012** | | | **Saskatoon 2018** | | |
| **Genotype** | **Mean DS (%)** | **S.E.** | **Group** | **Mean DS (%)** | **S.E.** | **Group** | **Mean DS (%)** | **S.E.** | **Group** |
| LR26-140 | 45.0 | 5.6 | DEFGHI | 20.8 | 3.5 | (2)IJKLMNOPQ | 55.0 | 4.9 | CDEFG |
| LR26-145 | 13.3 | 5.6 | NOP | 12.5 | 3.5 | (2)QR | 25.0 | 4.9 | LMN |
| LR26-149 | 48.3 | 5.6 | CDEFGH | 13.3 | 3.5 | (2)PQR | 35.0 | 4.9 | IJKLM |
| LR26-151 | 11.7 | 5.6 | OP | 28.3 | 3.5 | (2)CDEFGHIJK | 31.7 | 4.9 | JKLMN |
| LR26-157 | 6.7 | 5.6 | P | 15.0 | 3.5 | (2)NOPQR | 55.0 | 4.9 | CDEFG |
| LR26-165 | 6.7 | 5.6 | P | 56.7 | 3.5 | CDEFGHIJK | 31.7 | 4.9 | JKLMN |
| LR26-170 | 4.9 | 6.9 | P | 30.8 | 3.5 | Z(2)ABCDEFGH | 28.3 | 4.9 | KLMN |
| LR26-180 | 25.0 | 5.6 | KLMNO | 42.5 | 3.5 | OPQRSTUVW | 41.7 | 4.9 | GHIJK |
| LR26-181 | 38.3 | 5.6 | FGHIJK | 42.8 | 3.5 | OPQRSTUVW | 65.0 | 4.9 | ABCD |
| LR26-182 | 21.7 | 5.6 | LMNOP | 20.0 | 3.5 | (2)JKLMNOPQ | 51.7 | 4.9 | DEFGH |
| LR26-183 | 45.0 | 5.6 | DEFGHI | 48.3 | 3.5 | KLMNOPQR | 51.7 | 4.9 | DEFGH |
| LR26-184 | 15.0 | 5.6 | NOP | 30.8 | 3.5 | Z(2)ABCDEFGH | 65.0 | 4.9 | ABCD |
| LR26-186 | 25.0 | 5.6 | KLMNO | 36.7 | 3.5 | UVWXYZ(2)ABCD | 61.7 | 4.9 | ABCDE |
| LR26-187 | 21.7 | 5.6 | LMNOP | 40.8 | 3.5 | PQRSTUVWXY | 51.7 | 4.9 | DEFGH |
| LR26-19 | 65.0 | 5.6 | AB | 50.0 | 3.5 | IJKLMNOP | 70.5 | 6.0 | AB |
| LR26-194 | 7.4 | 6.9 | P | 19.2 | 3.5 | (2)KLMNOPQ | 31.7 | 4.9 | JKLMN |
| LR26-196 | 41.7 | 5.6 | EFGHIJ | 56.7 | 3.5 | CDEFGHIJK | 68.3 | 4.9 | ABC |
| LR26-198 | 28.3 | 5.6 | JKLMN | 41.7 | 3.5 | OPQRSTUVWX | 51.7 | 4.9 | DEFGH |
| LR26-20 | 18.3 | 5.6 | MNOP | 40.0 | 3.5 | QRSTUVWXYZ | 65.0 | 4.9 | ABCD |
| LR26-200 | 55.0 | 5.6 | BCDE | 23.3 | 3.5 | (2)GHIJKLMNO | 51.7 | 4.9 | DEFGH |
| LR26-202 | 41.7 | 5.6 | EFGHIJ | 46.7 | 3.5 | LMNOPQRST | 58.3 | 4.9 | ABCDEF |
| LR26-203 | 51.7 | 5.6 | BCDEFG | 65.0 | 3.5 | BCD | 58.3 | 4.9 | ABCDEF |
| LR26-206 | 28.3 | 5.6 | JKLMN | 18.3 | 3.5 | (2)LMNOPQR | 61.7 | 4.9 | ABCDE |
| LR26-209 | 38.3 | 5.6 | FGHIJK | 16.7 | 3.5 | (2)MNOPQR | 25.0 | 4.9 | LMN |
| LR26-210 | 45.0 | 5.6 | DEFGHI | 27.5 | 3.5 | (2)DEFGHIJKL | 31.7 | 4.9 | JKLMN |
| LR26-215 | 21.7 | 5.6 | LMNOP | 35.8 | 3.5 | VWXYZ(2)ABCD | 61.7 | 4.9 | ABCDE |
| LR26-216 | 11.7 | 5.6 | OP | 55.8 | 3.5 | DEFGHIJKL | 55.0 | 4.9 | CDEFG |
| LR26-219 | 38.3 | 5.6 | FGHIJK | 58.3 | 3.5 | CDEFGHIJ | 58.3 | 4.9 | ABCDEF |
| LR26-22 | 35.0 | 5.6 | HIJKL | 20.8 | 3.5 | (2)IJKLMNOPQ | 41.7 | 4.9 | GHIJK |
| LR26-220 | 21.7 | 5.6 | LMNOP | 20.8 | 3.5 | (2)IJKLMNOPQ | 35.0 | 4.9 | IJKLM |
| LR26-223 | 45.0 | 5.6 | DEFGHI | 49.2 | 3.5 | JKLMNOPQ | 65.0 | 4.9 | ABCD |
| LR26-224 | 25.0 | 5.6 | KLMNO | 31.7 | 3.5 | YZ(2)ABCDEFGH | 35.0 | 4.9 | IJKLM |
| LR26-228 | 18.3 | 5.6 | MNOP | 14.2 | 3.5 | (2)OPQR | 31.7 | 4.9 | JKLMN |
| LR26-232 | 48.3 | 5.6 | CDEFGH | 24.2 | 3.5 | (2)FGHIJKLMN | 31.7 | 4.9 | JKLMN |
| LR26-233 | 41.7 | 5.6 | EFGHIJ | 58.3 | 3.5 | CDEFGHIJ | 55.0 | 4.9 | CDEFG |
| LR26-235 | 21.7 | 5.6 | LMNOP | 16.7 | 3.5 | (2)MNOPQR | 35.0 | 4.9 | IJKLM |

Table S1. Continue

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| **Ishurdi 2012** | | | | **Saskatoon 2012** | | | **Saskatoon 2018** | | |
| **Genotype** | **Mean DS (%)** | **S.E.** | **Group** | **Mean DS (%)** | **S.E.** | **Group** | **Mean DS (%)** | **S.E.** | **Group** |
| LR26-238 | 25.0 | 5.6 | KLMNO | 41.7 | 3.5 | OPQRSTUVWX | 71.7 | 4.9 | A |
| LR26-239 | 40.1 | 6.9 | EFGHIJK | 14.2 | 3.5 | (2)OPQR | 25.0 | 4.9 | LMN |
| LR26-240 | 51.7 | 5.6 | BCDEFG | 33.3 | 3.5 | WXYZ(2)ABCDEF | 61.7 | 4.9 | ABCDE |
| LR26-241 | 51.7 | 5.6 | BCDEFG | 62.5 | 3.5 | BCDEFG | 58.3 | 4.9 | ABCDEF |
| LR26-246 | 61.7 | 5.6 | ABC | 40.8 | 3.5 | PQRSTUVWXY | 55.0 | 4.9 | CDEFG |
| LR26-251 | 58.3 | 5.6 | ABCD | 64.2 | 3.5 | BCDE | 61.7 | 4.9 | ABCDE |
| LR26-253 | 35.0 | 5.6 | HIJKL | 20.0 | 3.5 | (2)JKLMNOPQ | 45.0 | 4.9 | FGHIJ |
| LR26-254 | 35.0 | 6.9 | GHIJKLM | 19.2 | 3.5 | (2)KLMNOPQ | 21.7 | 4.9 | MN |
| LR26-256 | 31.7 | 5.6 | IJKLM | 55.0 | 3.5 | EFGHIJKLM | 61.7 | 4.9 | ABCDE |
| LR26-257 | 15.0 | 5.6 | NOP | 28.3 | 3.5 | (2)CDEFGHIJK | 55.0 | 4.9 | CDEFG |
| LR26-262 | 15.0 | 5.6 | NOP | 34.2 | 3.5 | WXYZ(2)ABCDE | 48.3 | 4.9 | EFGHI |
| LR26-266 | 21.7 | 5.6 | LMNOP | 13.3 | 3.5 | (2)PQR | 35.0 | 4.9 | IJKLM |
| LR26-267 | 18.3 | 5.6 | MNOP | 44.2 | 3.5 | NOPQRSTUV | 51.7 | 4.9 | DEFGH |
| LR26-269 | 38.3 | 5.6 | FGHIJK | 39.2 | 3.5 | RSTUVWXYZ(2)A | 65.0 | 4.9 | ABCD |
| LR26-273 | 35.0 | 5.6 | HIJKL | 62.5 | 3.5 | BCDEFG | 61.7 | 4.9 | ABCDE |
| LR26-274 | 7.4 | 6.9 | P | 41.7 | 3.5 | OPQRSTUVWX | 48.3 | 4.9 | EFGHI |
| LR26-275 | 25.0 | 5.6 | KLMNO | 39.2 | 3.5 | RSTUVWXYZ(2)A | 55.0 | 6.0 | BCDEFG |
| LR26-276 | 28.3 | 5.6 | JKLMN | 48.3 | 3.5 | KLMNOPQR | 65.0 | 4.9 | ABCD |
| LR26-280 | 25.0 | 5.6 | KLMNO | 47.5 | 3.5 | KLMNOPQRS | 51.7 | 4.9 | DEFGH |
| LR26-281 | 18.3 | 5.6 | MNOP | 40.8 | 3.5 | PQRSTUVWXY | 58.3 | 4.9 | ABCDEF |
| LR26-283 | 38.3 | 5.6 | FGHIJK | 65.8 | 3.5 | BC | 65.0 | 4.9 | ABCD |
| LR26-288 | 15.0 | 5.6 | NOP | 24.2 | 3.5 | (2)FGHIJKLMN | 61.7 | 4.9 | ABCDE |
| LR26-290 | 25.0 | 5.6 | KLMNO | 46.7 | 3.5 | LMNOPQRST | 58.3 | 4.9 | ABCDEF |
| LR26-293 | 21.7 | 5.6 | LMNOP | 60.2 | 4.2 | BCDEFGHI | 58.3 | 4.9 | ABCDEF |
| LR26-294 | 48.3 | 5.6 | CDEFGH | 69.2 | 3.5 | AB | 68.3 | 4.9 | ABC |
| LR26-296 | 45.0 | 5.6 | DEFGHI | 40.0 | 3.5 | QRSTUVWXYZ | 38.3 | 4.9 | HIJKL |
| LR26-297 | 15.0 | 5.6 | NOP | 35.8 | 3.5 | VWXYZ(2)ABCD | 55.0 | 4.9 | CDEFG |
| LR26-298 | 35.0 | 5.6 | HIJKL | 62.5 | 3.5 | BCDEFG | 38.3 | 4.9 | HIJKL |
| LR26-299 | 61.7 | 5.6 | ABC | 14.2 | 3.5 | (2)OPQR | 28.3 | 4.9 | KLMN |
| LR26-30 | 41.7 | 5.6 | EFGHIJ | 25.0 | 3.5 | (2)EFGHIJKLM | 51.7 | 4.9 | DEFGH |
| LR26-300 | 58.3 | 5.6 | ABCD | 36.7 | 3.5 | UVWXYZ(2)ABCD | 68.3 | 4.9 | ABC |
| LR26-301 | 55.0 | 6.9 | ABCDEF | 18.3 | 3.5 | (2)LMNOPQR | 25.0 | 4.9 | LMN |
| LR26-311 | 51.7 | 5.6 | BCDEFG | 45.8 | 3.5 | MNOPQRSTU | 65.0 | 4.9 | ABCD |
| LR26-32 | 21.7 | 5.6 | LMNOP | 19.2 | 3.5 | (2)KLMNOPQ | 55.0 | 4.9 | CDEFG |
| LR26-36 | 25.0 | 5.6 | KLMNO | 13.3 | 3.5 | (2)PQR | 61.7 | 4.9 | ABCDE |
| LR26-41 | 11.7 | 5.6 | OP | 16.7 | 3.5 | (2)MNOPQR | 31.7 | 4.9 | JKLMN |
| LR26-43 | 41.7 | 5.6 | EFGHIJ | 35.8 | 3.5 | VWXYZ(2)ABCD | 58.3 | 4.9 | ABCDEF |

Table S1. Continue

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| **Ishurdi 2012** | | | | **Saskatoon 2012** | | | **Saskatoon 2018** | | |
| **Genotype** | **Mean DS (%)** | **S.E.** | **Group** | **Mean DS (%)** | **S.E.** | **Group** | **Mean DS (%)** | **S.E.** | **Group** |
| LR26-45 | 21.7 | 5.6 | LMNOP | 45.8 | 3.5 | MNOPQRSTU | 65.0 | 4.9 | ABCD |
| LR26-47 | 18.3 | 5.6 | MNOP | 23.3 | 3.5 | (2)GHIJKLMNO | 58.3 | 4.9 | ABCDEF |
| LR26-49 | 31.7 | 5.6 | IJKLM | 37.5 | 3.5 | TUVWXYZ(2)ABC | 48.3 | 4.9 | EFGHI |
| LR26-5 | 55.0 | 5.6 | BCDE | 23.3 | 3.5 | (2)GHIJKLMNO | 51.7 | 4.9 | DEFGH |
| LR26-54 | 31.7 | 5.6 | IJKLM | 22.5 | 3.5 | (2)HIJKLMNOP | 38.3 | 4.9 | HIJKL |
| LR26-55 | 21.7 | 5.6 | LMNOP | 30.8 | 3.5 | Z(2)ABCDEFGH | 25.0 | 4.9 | LMN |
| LR26-56 | 15.0 | 5.6 | NOP | 29.2 | 3.5 | (2)BCDEFGHIJ | 45.0 | 4.9 | FGHIJ |
| LR26-63 | 41.7 | 5.6 | EFGHIJ | 50.8 | 3.5 | HIJKLMNO | 51.7 | 4.9 | DEFGH |
| LR26-64 | 25.0 | 5.6 | KLMNO | 22.2 | 3.5 | (2)HIJKLMNOP | 65.0 | 4.9 | ABCD |
| LR26-65 | 21.7 | 5.6 | LMNOP | 39.2 | 3.5 | RSTUVWXYZ(2)A | 48.3 | 4.9 | EFGHI |
| LR26-66 | 40.1 | 6.9 | EFGHIJK | 9.6 | 3.5 | (2)R | 18.3 | 4.9 | N |
| LR26-77 | 21.7 | 5.6 | LMNOP | 30.8 | 3.5 | Z(2)ABCDEFGH | 48.3 | 4.9 | EFGHI |
| LR26-78 | 28.3 | 5.6 | JKLMN | 16.7 | 3.5 | (2)MNOPQR | 35.0 | 4.9 | IJKLM |
| LR26-79 | 6.7 | 5.6 | P | 15.8 | 3.5 | (2)MNOPQR | 25.0 | 4.9 | LMN |
| LR26-83 | 20.0 | 5.6 | LMNOP | 53.3 | 3.5 | GHIJKLMN | 51.7 | 4.9 | DEFGH |
| LR26-84 | 35.0 | 5.6 | HIJKL | 64.2 | 3.5 | BCDE | 65.0 | 4.9 | ABCD |
| LR26-85 | 25.0 | 5.6 | KLMNO | 58.3 | 3.5 | CDEFGHIJ | 55.0 | 4.9 | CDEFG |
| LR26-90 | 45.0 | 5.6 | DEFGHI | 36.7 | 3.5 | UVWXYZ(2)ABCD | 55.0 | 4.9 | CDEFG |
| LR26-91 | 6.7 | 5.6 | P | 12.5 | 3.5 | (2)QR | 18.3 | 4.9 | N |
| LR26-95 | 48.3 | 5.6 | CDEFGH | 19.2 | 3.5 | (2)KLMNOPQ | 45.0 | 4.9 | FGHIJ |
| LR26-98 | 6.7 | 5.6 | P | 29.2 | 3.5 | (2)BCDEFGHIJ | 48.3 | 4.9 | EFGHI |
| LR26-99 | 41.7 | 5.6 | EFGHIJ | 39.2 | 3.5 | RSTUVWXYZ(2)A | 58.3 | 4.9 | ABCDEF |