

Table 6 Gene effects for yield and its components in Narsinghpur Bold X ICC 96029

| Sources of variation  | d.f. | Days to 50% flowering | Days to pod initiation | Days to maturity | Plant height (cm) | No. of Primary branches | No. of effective pods / plant | No. of seeds / plant | Pod filling percentage | Biological yield (g) | Harvest index (%) | Seed yield / plant (g) |
|-----------------------|------|-----------------------|------------------------|------------------|-------------------|-------------------------|-------------------------------|----------------------|------------------------|----------------------|-------------------|------------------------|
| ^                     |      | 49.63**               | 62.24**                | 105.04**         | 55.50**           | 2.67**                  | 79.91**                       | 85.68**              | 95.40**                | 36.64**              | 45.31**           | 16.59**                |
| M                     | SE   | ±3.22                 | ±1.45                  | ±0.81            | ±0.58             | ±0.12                   | ±3.21                         | ±3.16                | ±1.98                  | ±2.39                | ±1.20             | ±1.05                  |
| ^                     |      | -13.92**              | -10.17**               | -7.08**          | -6.70**           | -0.25                   | 19.43                         | 25.28*               | -0.88**                | -7.00**              | 1.12              | -2.65*                 |
| D                     | SE   | ±1.39                 | ±0.91                  | ±0.61            | ±0.77             | ±0.14                   | ±11.86                        | ±10.13               | ±0.21                  | ±0.84                | ±3.26             | ±1.51                  |
| ^                     |      | 0.98                  | 2.58                   | 0.82             | 4.35              | 0.28                    | -9.84                         | -5.76                | 5.26                   | 1.32                 | 0.15              | 0.46                   |
| H                     | SE   | ±8.35                 | ±4.87                  | ±2.50            | ±4.49             | ±0.37                   | ±36.34                        | ±21.59               | ±4.39                  | ±9.31                | ±4.81             | ±5.25                  |
| ^                     |      | 21.77*                | -16.75**               | -16.93**         | -13.15**          | -0.44                   | 40.26                         | 42.82                | 2.47                   | -20.52*              | 0.46              | -9.22                  |
| I                     | SE   | ±9.38                 | ±5.17                  | ±2.49            | ±3.97             | ±0.48                   | ±37.76                        | ±28.23               | ±5.16                  | ±8.67                | ±8.76             | ±5.13                  |
| ^                     |      | -24.49                | -15.44                 | -4.47            | -18.70            | -0.55                   | 33.37                         | 94.12**              | -17.58                 | 46.81                | 4.72              | 23.39                  |
| L                     | SE   | ±30.20                | ±15.82                 | ±7.56            | ±11.53            | ±1.29                   | ±79.14                        | ±50.26               | ±16.85                 | ±27.23               | ±16.32            | ±13.81                 |
| Epistatic interaction | D    | D                     | D                      | D                | D                 | D                       | D                             | D                    | D                      | C                    | C                 | C                      |
| Mean                  |      |                       |                        |                  |                   |                         |                               |                      |                        |                      |                   |                        |
| degree of dominance   |      | 0.07                  | 0.25                   | 0.12             | 0.65              | 1.12                    | 0.51                          | 0.23                 | 5.98                   | 0.19                 | 0.13              | 0.17                   |

Note: \*, \*\* = significant at 5% and 1% levels, respectively