**Supplementary Table S1** The main dwarfing genes in wheat

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| --- | --- | --- | --- | --- |
| New name | Old name | Position | Cloned | Reference |
| *Rht-B1b* | *Rht1* | 4BS | Yes | Peng et al., 1999 |
| *Rht-B1c* | *Rht3* | 4BS | Yes | Pearce et al., 2011 |
| *Rht-D1b* | *Rht2* | 4DS | Yes | Peng et al., 1999 |
| *Rht-D1c* | *Rht10* | 4DS | Yes | Pearce et al., 2011 |
| *Rht4* | *Rht4* | 2BL | No | Ellis et al., 2005 |
| *Rht5* | *Rht5* | 3BS | No | Daoura. et al., 2013 |
| *Rht6* | *Rht6* |  | No | Konzak, 1976 |
| *Rht7* | *Rht7* | 2AS | No | Chaudhry, 1973 |
| *Rht8* | *Rht8* | 2DS | No | Worland et al., 1998 |
| *Rht9* | *Rht9* | 7BS | No | Law et al., 1978 |
| *Rht11* | *Rht11* |  | No | Ellis et al., 2005 |
| *Rht12* | *Rht12* | 5AL | No | Ellis et al., 2005 |
| *Rht13* | *Rht13* | 7BS | No | Ellis et al., 2005 |
| *Rht14* | *Rht14* | 6AS | No | Haque et al ., 2011 |
| *Rht15* | *Rht15* |  | No | Konzak, 1976 |
| *Rht16* | *Rht16* | 6AS | No | Haque et al ., 2011 |
| *Rht17* | *Rht17* |  | No | Bazhenov et al., 2015 |
| *Rht18* | *Rht18* | 6AS | No | Haque et al ., 2011 |
| *Rht19* | *Rht19* |  | No | Konzak, 1976 |
| *Rht20* | *Rht20* |  | No | Konzak, 1976 |
| *Rht21* | *Rht21* | 2AS | No | Yang et al., 1993 |
| *Rht22* | *Rht22* | 7AS | No | Peng et al., 2011 |
| *Rht23* | *Rht23* | 5DL | No | Chen et al., 2015 |

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