

**‘Overgrowth’ mutants in barley and wheat: new alleles and phenotypes of the
‘Green Revolution’ DELLA gene**

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Supplementary Data

Supplementary Table S1: Primers for sequencing 3' half of wheat *Rht-B1c*

Rht3F13	GCGCTGGTGAAGCAGATAC
Rht3F20	GTGGTCGACACGCAGGAG
RhtR13	CGGACGGTCGATCGTGG
Rht3R40	TTCAAACCTCGCGGTCACG

Supplementary Table S2: Coleoptile lengths (in mm) of barley overgrowth lines

Line	Genotype	Coleoptile length (mm)
Himalaya	<i>WT</i>	100.3 ± 1.6
M640	<i>Sln1d</i>	32.6 ± 1.8
TR1	<i>Sln1d.4</i>	65.8 ± 3.1
TR9	<i>Sln1d.5</i>	40.7 ± 2.4
TR13	<i>Sln1d.6</i>	45.2 ± 1.8
TR26	<i>Sln1d,spyla</i>	50.9 ± 1.0
TR56	<i>Sln1d.7</i>	60.7 ± 2.1
TR60	<i>Sln1d.8</i>	80.7 ± 2.5
TR100	<i>Sln1d.9</i>	66.9 ± 1.7
TR103	-	58.5 ± 1.5
TR107	<i>Sln1d.10</i>	44.6 ± 2.0
M463	<i>grd2b</i>	62.4 ± 2.2
TR216	<i>grd2b,sln1s</i>	84.1 ± 1.7
TR261	<i>grd2b,sln1m</i>	96.4 ± 3.5
TR305	<i>grd2b,sln1o</i>	104.4 ± 2.0
M693	<i>gse1n</i>	72.0 ± 1.5
TR407	<i>gse1n,sln1n</i>	89.7 ± 1.5
M240	<i>sln1m</i>	123.3 ± 2.7
M242	<i>sln1n</i>	119.8 ± 2.3
M243	<i>sln1s</i>	112.9 ± 4.6
M247	<i>spyla</i>	101.6 ± 2.5



Supplementary Fig. S1. Seedlings of different genotypes at the same age. Left to right: Himalaya (*WT*), M463 (*grd2b*), TR261 (*grd2b, sln1m*), M240 (*sln1m*), M640 (*Sln1d*), TR107 (*Sln1d.10*), TR60 (*Sln1d.8*).