

Supplemental Table: Chromosomal Deletion Lines Used for Physical Mapping

Groups <sup>a</sup>						
1	2	3	4	5	6	7
1AS-1 (0.47)	2AS-2 (0.34)	3AS-2 (0.23)	4AS-1 (0.20)	5AS-1 (0.40)	6AS-1 (0.35)	7AS-1 (0.89)
1AS-2 (0.45)	2AS-3 (0.00)	3AS-3 (0.71)	4AS-2 (0.71)	5AS-2 (1.00)	6AS-2 (0.00)	7AS-2 (0.73)
1AS-3 (0.86)	2AS-4 (0.44)	3AS-4 (0.45)	4AS-3 (0.76)	5AS-3 (0.75)	6AS-4 (0.67)	7AS-3 (0.29)
1AS-5 (0.20)	2AS-5 (0.78)	3AL-1 (0.26)	4AS-4 (0.63)	5AS-6 (0.97)	6AS-5 (0.65)	7AS-4 (0.26)
1AL-1 (0.17)	2AS-6 (0.51)	3AL-2 (0.21)	4AL-1 (0.85)	5AS-7 (0.98)	6AL-1 (0.69)	7AS-5 (0.59)
1AL-2 (0.38)	2AS-8 (0.59)	3AL-3 (0.42)	4AL-2 (0.75)	5AS-9 (0.98)	6AL-2 (0.89)	7AS-6 (0.21)
1AL-3 (0.61)	2AL-1 (0.85)	3AL-4 (0.61)	4AL-5 (0.66)	5AS-10 (1.00)	6AL-4 (0.55)	7AS-7 (0.87)
1AL-4 (0.47)	2AL-3 (0.77)	3AL-5 (0.78)	4AL-6 (0.84)	5AL-1 (0.11)	6AL-5 (0.83)	7AS-8 (0.45)
1AL-5 (0.46)	2BS-1 (0.53)	3AL-6 (0.21)	4AL-7 (0.66)	5AL-3 (0.56)	6AL-6 (0.57)	7AS-9 (0.89)
1BS-1 (0.35)	2BS-2 (0.15)	3AL-8 (0.85)	4AL-8 (0.37)	5AL-5 (0.46)	6AL-8 (0.90)	7AS-10 (0.45)
1BS-2 (1.06)	2BS-3 (0.84)	3BS-1 (0.33)	4AL-11 (0.66)	5AL-6 (0.68)	6BS-1 (0.25)	7AS-11 (0.33)
1BS-3 (0.72)	2BS-5 (0.79)	3BS-2 (0.56)	4AL-12 (0.43)	5AL-7 (0.87)	6BS-2 (1.05)	7AS-12 (0.83)
1BS-4 (0.52)	2BS-6 (0.56)	3BS-3 (0.87)	4AL-14 (0.79)	5AL-8 (0.67)	6BS-3 (1.05)	7AL-1 (0.39)
1BS-6 (1.04)	2BS-7 (0.89)	3BS-4 (0.55)	4BS-1 (0.81)	5AL-9 (0.43)	6BS-5 (0.76)	7AL-2 (0.87)
1BS-7 (0.80)	2BS-8 (0.57)	3BS-5 (0.20)	4BS-2 (0.75)	5AL-10 (0.57)	6BS-8 (0.83)	7AL-3 (0.29)
1BS-8 (1.02)	2BS-9 (0.40)	3BS-6 (0.57)	4BS-3 (0.81)	5AL-11 (0.16)	6BS-6 *	7AL-4 (0.18)
1BS-9 (0.84)	2BS-10 (0.16)	3BS-7 (0.75)	4BS-4 (0.37)	5AL-15 (0.67)	6BL-1 (0.70)	7AL-5 (0.63)
1BS-10 (0.50)	2BS-11 (0.27)	3BS-8 (0.78)	4BS-6 (0.73)	5AL-16 (0.43)	6BL-3 (0.36)	7AL-6 (0.80)
1BS-13 (1.04)	2BS-12 (0.81)	3BS-9 (0.57)	4BS-7 (0.73)	5AL-17 (0.78)	6BL-4 (0.44)	7AL-7 (0.33)
1BS-15 (0.50)	2BS-14 (0.83)	3BL-2 (0.22)	4BS-8 (0.57)	5AL-20 (0.82)	6BL-5 (0.40)	7AL-8 (0.83)
1BS-16 (0.99)	2BS-15 (0.73)	3BL-3 (0.41)	4BL-1 (0.71)	5AL-23 (0.87)	6BL-6 (0.79)	7AL-9 (0.94)
1BS-18 (0.50)	2BL-1 (0.69)	3BL-4 (0.07)	4BL-2 (0.47)	5BS-2 (0.42)	6BL-8 (0.66)	7AL-10 (0.49)
1BS-19 (0.31)	2BL-2 (0.36)	3BL-5 (0.22)	4BL-3 (0.68)	5BS-3 (0.41)	6BL-9 (0.64)	7AL-11 (0.40)
1BS-20 (0.54)	2BL-3 (0.35)	3BL-6 (0.54)	4BL-4 (0.55)	5BS-4 (0.43)	6BL-10 (0.26)	7AL-13 (0.83)
1BS-21 (0.49)	2BL-5 (0.59)	3BL-7 (0.63)	4BL-5 (0.86)	5BS-5 (0.71)	6BL-11 (0.36)	7AL-14 (0.31)
1BS-22 (0.24)	2BL-6 (0.89)	3BL-8 (0.28)	4BL-6 (0.10)	5BS-6 (0.81)	6BL-12 (0.05)	7AL-15 (0.99)
1BL-1 (0.47)	2BL-9 (0.16)	3BL-9 (0.38)	4BL-7 (0.70)	5BS-8 (0.56)	6BL-13 (0.13)	7AL-16 (0.86)
1BL-2 (0.69)	2DS-1 (0.33)	3BL-10 (0.50)	4BL-8 (0.78)	5BS-9 (0.43)	6BL-14 (0.65)	7AL-17 (0.71)
1BL-3 (0.85)	2DS-2 (0.36)	3BL-11 (0.81)	4BL-10 (0.95)	5BL-1 (0.55)	6DS-2 (0.45)	7AL-20 (0.89)
1BL-4 (0.89)	2DS-3 (0.36)	3DS-1 (0.39)	4BL-11 (0.58)	5BL-2 (0.26)	6DS-3 (0.00)	7AL-21 (0.74)
1BL-5 (0.84)	2DS-4 (0.41)	3DS-2 (0.25)	4BL-12 (0.41)	5BL-3 (0.53)	6DS-4 (0.79)	7BS-1 (0.27)
1BL-6 (0.32)	2DS-5 (0.47)	3DS-3 (0.24)	4BL-13 (0.62)	5BL-5 (0.54)	6DS-5 (0.38)	7BS-2 (0.27)
1BL-7 (0.47)	2DS-6 (0.00)	3DS-4 (0.59)	4DS-1 (0.53)	5BL-6 (0.29)	6DS-6 (0.99)	7BS-3 (0.16)
1BL-8 (0.74)	2DL-2 (0.09)	3DS-5 (0.49)	4DS-2 (0.82)	5BL-7 (0.43)	6DL-1 (0.47)	7BL-1 (0.40)
1BL-9 (0.73)	2DL-3 (0.49)	3DS-6 (0.55)	4DS-3 (0.67)	5BL-8 (0.52)	6DL-2 (0.08)	7BL-2 (0.33)
1BL-10 (0.89)	2DL-4 (0.26)	3DS-7 (0.30)	4DS-4 (0.77)	5BL-9 (0.76)	6DL-3 (0.21)	7BL-3 (0.86)
1BL-11 (0.23)	2DL-6 (0.94)	3DS-8 (0.44)	4DS-5 (0.63)	5BL-11 (0.59)	6DL-5 (0.07)	7BL-4 (0.56)
1BL-12 (0.84)	2DL-7 (0.12)	3DL-1 (0.23)	4DL-1 (0.46)	5BL-14 (0.75)	6DL-6 (0.29)	7BL-5 (0.69)
1BL-13 (0.89)	2DL-8 (0.58)	3DL-2 (0.27)	4DL-2 (0.7)	5BL-15 (0.37)	6DL-7 (0.66)	7BL-6 (0.84)
1BL-14 (0.61)	2DL-9 (0.76)	3DL-3 (0.81)	4DL-3 (0.51)	5BL-16 (0.79)	6DL-12 (0.68)	7BL-7 (0.63)

1BL-15 (0.82)	2DL-10 (0.47)	4DL-5 (0.09)	5DS-1 (0.63)	6DL-13 (0.76)	7BL-8 (0.21)
1BL-16 (0.47)	2DL-11 (0.66)	4DL-6 (0.38)	5DS-2 (0.78)		7BL-9 (0.45)
1BL-19 (0.61)		4DL-7 (0.41)	5DS-5 (0.67)		7BL-10 (0.78)
1DS-1 (0.59)		4DL-8 (0.53)	5DL-1 (0.60)		7BL-11 (0.86)
1DS-2 (0.57)		4DL-9 (0.31)	5DL-2 (0.69)		7BL-12 (0.25)
1DS-3 (0.48)		4DL-10 (0.35)	5DL-3 (0.39)		7BL-13 (0.79)
1DS-4 (0.66)		4DL-12 (0.71)	5DL-5 (0.76)		7BL-14 (0.14)
1DS-5 (0.70)		4DL-13 (0.56)	5DL-7 (0.29)		7DS-1 (0.37)
1DL-1 (0.23)		4DL-14 (0.86)	5DL-8 (0.72)		7DS-3 (0.15)
1DL-2 (0.41)			5DL-9 (0.74)		7DS-4 (0.61)
1DL-3 (0.25)			5DL-10 (0.35)		7DS-5 (0.36)
1DL-4 (0.18)			5DL-12 (0.48)		7DL-1 (0.14)
					7DL-2 (0.61)
					7DL-3 (0.82)
					7DL-4 (0.76)
					7DL-5 (0.30)
					7DL-6 (0.10)
					7DL-7 (0.84)

\* Fraction length value was not determined.

<sup>a</sup> ‘A’, ‘B’ and ‘D’ letters stands for the wheat genomes. ‘S’ and ‘L’ stands for short and long arm of a chromosome. The number within the parenthesis shows the fraction length of the corresponding deletion arm. For instance, 1AS-1 (0.47) denotes a deletion line of short arm of chromosome *1* of A genome that has 47% of the short arm present.