

Additional file 2: Concentration of main components of wheat straw

Origin	Yield group	Genotype	Cellulose (mg/mg DW)	Hemicellulose (mg/mg DW)	Lignin (mg/mg DW)
CIMMYT	High Yield	Buck AGP Fast	0.39	0.30	0.17
		Don Mario Arex	0.42	0.32	0.16
		Don Mario Atlax	0.39	0.32	0.18
		INIA Centinela	0.43	0.31	0.19
		Klein Don Enrique	0.42	0.32	0.21
		Sursem LE 2331	0.39	0.31	0.15
	Low Yield	ACA 907	0.40	0.30	0.16
		BIOINTA 1003	0.37	0.27	0.13
		BIOINTA 3004	0.38	0.29	0.13
		Buck Puelche	0.37	0.31	0.14
		Klein Cacique	0.47	0.33	0.20
		Klein Yarara	0.40	0.30	0.17
		Criollos	High Yield	BIOINTA 1000	0.41
Buck 75 Aniversario	0.42			0.29	0.14
Buck Baqueano	0.42			0.30	0.12
Buck Guapo	0.43			0.31	0.14
Buck Ranquel	0.39			0.32	0.14
Don Mario Themix	0.39			0.30	0.18
Low Yield	Barletta 77		0.37	0.27	0.13
	Buck Naposta		0.43	0.30	0.15
	INIA Condor		0.37	0.29	0.17
	Klein Impacto		0.41	0.30	0.19
	Klein Rendidor		0.38	0.29	0.18
	Oleata Artillero		0.43	0.32	0.17
	French		High Yield	BSY 100	0.41
Baguette 9		0.44		0.32	0.14
Baguette 18		0.43		0.30	0.16
Baguette 19		0.40		0.30	0.15
Baguette 31		0.39		0.31	0.14

	SNR Nogal	0.36	0.28	0.15
Low Yield	BSY 200	0.37	0.28	0.13
	Klein Atlas	0.44	0.32	0.19
	Klein Centauro	0.36	0.29	0.17
	Baguette 10	0.40	0.29	0.16
	Baguette 21	0.40	0.30	0.14
	Sinvalocho	0.43	0.32	0.17

Cellulose, hemicellulose, and lignin determined in oven-dried samples of wheat stem of the 36 genotypes assessed during the 2017 season. Data represent a single determination.