

Dataset S1. Functionality indicators of panicoid rDNA sequences amplified from *Hordeum* and *Pseudoroegneria* accessions. In parentheses are sequence identifiers under which the sequences appear in phylogenetic analysis. M1 – M4 are substitutions within conserved motifs in the 5.8S rDNA gene, M5 are substitutions in the ITS2 motif. M1 – CGATGAAGAACGTAGC, M2 – GAATTGCAGTCC, M3 – TTTGAACGCA, (C/T) at the seventh position is considered as C based on the Panicoideae, Pooideae and Triticeae ITS-rDNA alignments (18), M4 – GATATC, M5 – TGGT. ✓ – motif is present unchanged; substitutions within motifs are indicated by position (number) and substituting nucleotide; n. a. – not analyzed, sequence is not spanning the respective motif. The ability of 5.8S RNA transcripts to fold into a constrained secondary structure is given: ✓ – the RNA molecule is able to form the secondary structure; no – unable to form the secondary structure. Synonymous and compensatory substitutions with respect to 5.8S RNA secondary structures are in green color.

Accessions and clones	rDNA type	M1	M2	M3	M4	M5	constrained 2° structure 5.8S
<i>H. bogdanii</i> BCC2063							
clone 01 (BCC2063 Pan1)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 02	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 03	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 04	<i>Panicum 1</i>	7: G	✓	7: T	✓	✓	✓
<i>H. bogdanii</i> BCC2070							
clone 01 (BCC2070 Pan1)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	no
clone 02	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	no
clone 03	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	no
clone 04	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	no
<i>H. brevisubulatum</i> BCC2016							
clone 01	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 02	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 03	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 04 (BCC2016 Set)	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 05	<i>Setaria</i>	✓	✓	✓	✓	✓	✓

clone 06	<i>Setaria</i>	✓	✓	✓	✓	✓	no
clone 07	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 08 (BCC2016 Pan1)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
<i>H. californicum</i> BCC2057							
clone 01 (BCC2057 Pas)	<i>Paspalum</i>	✓	9: A	5: G	✓	✓	✓
clone 02 (BCC2057 Eu)	<i>Euclasta</i>	10: G	✓	✓	✓	✓	✓
clone 03	<i>Euclasta</i>	✓	2: T	✓	✓	✓	✓
clone 04	<i>Euclasta</i>	✓	✓	✓	✓	3: A	✓
<i>H. chilense</i> CN27413							
clone 01 (CN27413 Pas)	<i>Paspalum</i>	11: T	7: T	7: T	✓	✓	✓
<i>H. chilense</i> GRA1000							
clone 01	<i>Panicum 1</i>	16: A	✓	7: T	✓	✓	✓
clone 02 (GRA1000 Pan1)	<i>Panicum 1</i>	16: A	✓	7: T	✓	✓	✓
clone 03	<i>Panicum 1</i>	16: A	✓	7: T	✓	✓	✓
clone 04	<i>Panicum 1</i>	16: A	✓	7: T	✓	✓	✓
clone 05 (GRA1000 Pan2)	<i>Panicum 2</i>	✓	✓	✓	✓	✓	✓
clone 06	<i>Panicum 2</i>	✓	✓	✓	✓	✓	✓
clone 07	<i>Panicum 2</i>	✓	✓	✓	✓	✓	✓
clone 08	<i>Panicum 2</i>	✓	✓	✓	✓	✓	✓
clone 09 (GRA1000 Pas)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
<i>H. comosum</i> JB292A							
clone 01 (JB292A Pan1)	<i>Panicum 1</i>	4: C	✓	7: T	✓	✓	✓
clone 02	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 03	<i>Panicum 1</i>	✓	✓	5: T, 7: T	✓	✓	✓
clone 04	<i>Paspalum</i>	11: T, 16: A	7: T	✓	✓	✓	✓
clone 05 (JB292A Pas)	<i>Paspalum</i>	11: T, 16: A	7: T	✓	✓	✓	✓

clone 06	<i>Paspalum</i>	11: T, 16: A	✓	✓	✓	✓	✓
clone 07	<i>Paspalum</i>	11: T, 16: A	✓	✓	✓	✓	✓
clone 08 (JB292A Eu)	<i>Euclasta</i>	✓	✓	7: T	✓	✓	no
clone 09	<i>Euclasta</i>	12: A	✓	7: T	✓	✓	no
direct sequence (JB292A Pan2-dir)	<i>Panicum 2</i>	✓	✓	7: T	✓	n. a.	✓
direct sequence (JB292A Set-dir)	<i>Setaria</i>	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.
H. comosum JB412							
clone 01 (JB412 Pan1)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 02 (JB412 Eu)	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 03 (JB412 Set)	<i>Setaria</i>	12: A	✓	✓	1: A	✓	no
clone 04	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 05 (JB412 Pas-a)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 06 (JB412 Pas-b)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
direct sequence (JB412 Pan2-dir)	<i>Panicum 2</i>	✓	✓	7: T	✓	n. a.	✓
H. cordobense BCC2039							
clone 01 (BCC2039 Pan1)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 02	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 03	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 04 (BCC2039 Pas)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 05	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 06	<i>Arundinella</i>	✓	✓	✓	✓	✓	no
clone 07 (BCC2039 Aru)	<i>Arundinella</i>	✓	✓	✓	✓	✓	no
clone 08	<i>Arundinella</i>	✓	✓	✓	✓	✓	no
H. cordobense BCC2067							
clone 01 (BCC2067 Pan1)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 02	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓

clone 03	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 04	<i>Panicum 1</i>	✓	✓	2: C, 7: T	✓	✓	✓
clone 05	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 06	<i>Panicum 1</i>	✓	7: T	7: T	✓	✓	✓
clone 07	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 08	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 09	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 10	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 11 (BCC2067 Pas)	<i>Paspalum</i>	1: T	✓	✓	✓	✓	✓
clone 12 (BCC2067 Aru)	<i>Arundinella</i>	✓	✓	✓	✓	✓	no
<i>H. erectifolium</i> BCC2026							
clone 01	<i>Setaria</i>	✓	4: C	✓	1: A	✓	✓
clone 02	<i>Setaria</i>	✓	4: C	✓	1: A	✓	✓
clone 03 (BCC2026 Set-a)	<i>Setaria</i>	✓	4: C	✓	1: A	✓	✓
clone 04	<i>Setaria</i>	✓	4: C	✓	1: A	✓	✓
clone 05	<i>Setaria</i>	✓	4: C, 8: G	✓	1: A	✓	✓
clone 06	<i>Setaria</i>	✓	4: C	✓	1: A	✓	✓
clone 07	<i>Setaria</i>	✓	4: C	✓	1: A	✓	✓
clone 08	<i>Setaria</i>	✓	4: C	✓	1: A	✓	✓
clone 09	<i>Setaria</i>	✓	4: C	✓	1: A	1: A	no
clone 10	<i>Setaria</i>	✓	4: C	1: C	1: A	✓	✓
clone 11	<i>Setaria</i>	✓	4: C	✓	1: A	✓	✓
clone 12 (BCC2026 Set-b)	<i>Setaria</i>	9: G, 12: A	✓	✓	✓	✓	no
clone 13	<i>Setaria</i>	✓	✓	✓	✓	✓	no
clone 14	<i>Setaria</i>	9: G, 12: A	✓	✓	✓	✓	no
clone 15 (BCC2026 Set-c)	<i>Setaria</i>	5: T	✓	✓	1: A	✓	✓

clone 16 (BCC2026 Pas)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓	
H. euclaston BCC2022								
clone 01	<i>Paspalum</i>	12: A	✓	7: T	✓	✓	no	
clone 02	<i>Paspalum</i>	12: A	✓	7: T	✓	✓	no	
clone 03 (BCC2022 Pas)	<i>Paspalum</i>	12: A	✓	7: T	✓	✓	no	
clone 04	<i>Paspalum</i>	12: A	✓	7: T	✓	✓	no	
clone 05	<i>Paspalum</i>	12: A	✓	7: T	✓	✓	no	
H. euclaston BCC2029								
clone 01 (BCC2029 Pas)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓	
clone 02	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓	
clone 03 (BCC2029 Eu)	<i>Euclasta</i>	✓	7: T	✓	✓	✓	no	
clone 04	<i>Euclasta</i>	✓	7: T	✓	✓	✓	no	
clone 05	<i>Euclasta</i>	✓	7: T	✓	✓	✓	no	
clone 06	<i>Euclasta</i>	✓	7: T	✓	✓	✓	no	
H. flexuosum BCC2023								
clone 01 (BCC2023 Pas)	<i>Paspalum</i>	14: G	✓	✓	✓	✓	✓	
clone 02 (BCC2023 Pan1)	<i>Panicum 1</i>	✓	✓	5: G, 7: T	✓	✓	✓	
H. flexuosum JB208A								
clone 01 (JB208A Pas)	<i>Paspalum</i>	11: T	13: T	✓	✓	✓	✓	
H. intercedens BCC2044								
clone 01	<i>Paspalum</i>	1: A, 12: A	✓	7: T	✓	✓	no	
clone 02	<i>Paspalum</i>	1: A, 12: A	✓	7: T	✓	✓	no	
clone 03 (BCC2044 Pas)	<i>Paspalum</i>	1: A, 12: A	✓	7: T	✓	✓	no	
clone 04	<i>Paspalum</i>	1: A, 12: A	✓	7: T	✓	✓	no	
H. intercedens BCC2059								
clone 01 (BCC2059 Pas)	<i>Paspalum</i>	12: A	✓	7: T	✓	✓	no	

clone 02	<i>Paspalum</i>	12: A	✓	7: T	✓	✓	no
clone 03	<i>Paspalum</i>	12: A	✓	7: T	✓	4: C	no
H. muticum BCC2014							
clone 01	<i>Euclasta</i>	6: G	✓	✓	✓	✓	✓
clone 02 (BCC2059 Pas)	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 03	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
direct sequence (BCC2014 Pan1-dir)	<i>Panicum 1</i>	✓	✓	✓	7: T	n. a.	✓
H. muticum BCC2042							
clone 01	<i>Panicum 1</i>	6: T	✓	7: T	✓	✓	✓
clone 02	<i>Panicum 1</i>	6: T	✓	7: T	✓	✓	✓
clone 03 (BCC2042 Pan1)	<i>Panicum 1</i>	6: T	✓	7: T	✓	✓	✓
clone 04	<i>Panicum 1</i>	6: T	6: A	7: T	✓	✓	✓
clone 05	<i>Panicum 1</i>	6: T	✓	7: T	✓	✓	✓
clone 06	<i>Panicum 1</i>	6: T	✓	5: T, 7: T	✓	✓	✓
clone 07	<i>Panicum 1</i>	6: T	✓	7: T	✓	✓	✓
clone 08 (BCC2042 Eu)	<i>Euclasta</i>	16: -	✓	5: C	✓	3: C	no
clone 09	<i>Euclasta</i>	16: -	✓	5: C	✓	3: C	no
clone 10	<i>Euclasta</i>	16: -	✓	5: C	✓	3: C	no
H. patagonicum subsp. magellanicum BCC2065							
clone 01 (BCC2065 Eu)	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 02	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 03	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 04	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 05	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 06	<i>Paspalum</i>	✓	✓	✓	✓	✓	✓
clone 07 (BCC2065 Pas)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓

clone 08	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 09	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
direct sequence (BCC2065 Pan2-dir)	<i>Panicum 2</i>	✓	✓	✓	✓	n. a.	✓
<i>H. patagonicum</i> subsp. <i>mustersii</i> BCC2033							
clone 01	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 02 (BCC2033 Pan1)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 03	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 04 (BCC2033 Pas)	<i>Paspalum</i>	10: C, 12: A	6: A	✓	✓	✓	no
direct sequence (BCC2033 Pan2-dir)	<i>Panicum 2</i>	✓	✓	✓	✓	n. a.	✓
<i>H. patagonicum</i> subsp. <i>patagonicum</i> BCC2031							
clone 01	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 02 (BCC2031 Pas)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 03	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 04	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 05	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 06	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 07 (BCC2031 Eu)	<i>Euclasta</i>	✓	✓	✓	✓	✓	
clone 08	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 09	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 10	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 11	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 12 (BCC2031 Pan1)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 13	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 14 (BCC2031 Pan2)	<i>Panicum 2</i>	✓	✓	✓	✓	✓	✓
clone 15	<i>Panicum 2</i>	✓	✓	✓	✓	✓	✓
clone 16	<i>Panicum 2</i>	✓	✓	✓	✓	✓	✓

H. patagonicum* subsp. *patagonicum
BCC2064

clone 01 (BCC2064 Set)	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 02 (BCC2064 Pas-a)	<i>Paspalum</i>	12: A	✓	✓	✓	✓	no
clone 03	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 04 (BCC2064 Pas-b)	<i>Paspalum</i>	12: A	✓	✓	✓	✓	no
clone 05	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 06 (BCC2064 Pan1-a)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 07	<i>Panicum 1</i>	15: A	✓	7: T	✓	✓	✓
clone 08 (BCC2064 Pan1-b)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 09 (BCC2064 Pan2)	<i>Panicum 2</i>	✓	✓	7: T	✓	✓	✓

H. patagonicum* subsp. *setifolium
BCC2032

clone 01 (BCC2032 Pan2)	<i>Panicum 2</i>	✓	✓	✓	1: A	✓	✓
clone 02	<i>Panicum 2</i>	✓	✓	✓	✓	✓	✓
clone 03	<i>Panicum 2</i>	✓	✓	✓	1: A	✓	✓
clone 04 (BCC2032 Eu)	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 05	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 06 (BCC2032 Pas)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 07	<i>Paspalum</i>	11: T	4: C	7: T	✓	✓	✓
clone 08 (BCC2032 Pan1)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 09	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓

H. patagonicum* subsp. *setifolium
BCC2038

clone 01 (BCC2038 Set-a)	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 02	<i>Setaria</i>	✓	✓	✓	✓	✓	no
clone 03	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 04	<i>Setaria</i>	✓	✓	✓	✓	✓	✓

clone 05	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 06	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 07	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 08	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 09	<i>Setaria</i>	✓	✓	✓	✓	✓	✓
clone 10 (BCC2038 Set-b)	<i>Setaria</i>	2: A, 11: T	✓	✓	✓	✓	no
clone 11	<i>Setaria</i>	2: A, 11: T	✓	✓	✓	✓	no
clone 12	<i>Setaria</i>	2: A, 11: T	✓	✓	✓	✓	no
clone 13	<i>Setaria</i>	2: A, 11: T	✓	✓	✓	✓	no
clone 14	<i>Setaria</i>	2: A, 11: T	✓	✓	✓	✓	no
clone 15	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 16	<i>Euclasta</i>	✓	13: T	✓	✓	✓	✓
clone 17 (BCC2038 Eu)	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 18	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 19	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 20	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 21 (BCC2038 Pan1)	<i>Panicum 1</i>	✓	✓	7: T, 9: G	✓	✓	✓
clone 22 (BCC2038 Pas)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
direct sequence (BCC2038 Pan2-dir)	<i>Panicum 2</i>	✓	✓	✓	✓	n. a.	✓
<i>H. pubiflorum</i> BCC2068							
clone 01 (BCC2068 Pan1)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 02	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 03 (BCC2068 Pas)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 04	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
clone 05	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓
<i>H. pubiflorum</i> BCC2028							

clone 01 (BCC2028 Pas-a)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓	
clone 02	<i>Paspalum</i>	11: T	8: G	✓	✓	✓	✓	
clone 03	<i>Paspalum</i>	11: T	8: G	✓	✓	✓	no	
clone 04	<i>Paspalum</i>	11: T, 4: C	8: G	✓	✓	✓	✓	
clone 05	<i>Paspalum</i>	11: T	8: G	✓	✓	✓	✓	
clone 06	<i>Paspalum</i>	11: T	8: G	✓	✓	✓	✓	
clone 07 (BCC2028 Pas-b)	<i>Paspalum</i>	11: T	8: G	✓	✓	✓	✓	
clone 08	<i>Paspalum</i>	11: T	8: G	✓	✓	✓	✓	
clone 09	<i>Paspalum</i>	11: T	8: G	✓	✓	3: A	✓	
clone 10	<i>Paspalum</i>	11: T	8: G	✓	✓	✓	no	
clone 11	<i>Paspalum</i>	11: T	8: G	✓	✓	✓	✓	
clone 12	<i>Paspalum</i>	11: T	8: G	✓	✓	✓	✓	
clone 13	<i>Paspalum</i>	11: T	8: G, 13: T	✓	✓	✓	✓	
clone 14	<i>Paspalum</i>	11: T	8: G	✓	✓	✓	✓	
clone 15 (BCC2028 Eu)	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓	
clone 16	<i>Euclasta</i>	✓	3: G	✓	✓	✓	✓	
clone 17 (BCC2028 Pan2)	<i>Panicum 2</i>	✓	✓	✓	✓	✓	✓	
clone 18 (BCC2028 Pan1)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓	
clone 19	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓	
<i>H. pusillum</i> BCC2043								
clone 01 (BCC2043 Pas)	<i>Paspalum</i>	2: A, 12: A	8: G	7: T	✓	✓	no	
clone 02	<i>Paspalum</i>	2: A, 12: A	8: G	7: T	✓	✓	no	
clone 03	<i>Paspalum</i>	2: A, 12: A	8: G	7: T	✓	✓	no	
<i>H. roshevitzii</i> BCC2015								
clone 01 (BCC2015 Pan1)	<i>Panicum 1</i>	6: T	✓	7: T	✓	4: C	✓	
clone 02	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓	

H. roshevitzii BCC2069

clone 01 (BCC2069 Pan1)	<i>Panicum 1</i>	✓	11: T	7: T	✓	✓	✓
clone 02	<i>Panicum 1</i>	5: A	✓	7: T	✓	✓	✓

H. stenostachys BCC2021

clone 01 (BCC2021 Eu-a)	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 02	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 03	<i>Euclasta</i>	✓	✓	✓	✓	✓	✓
clone 04 (BCC2021 Eu-b)	<i>Euclasta</i>	2: C	✓	7: G, 9: -	✓	✓	no
clone 05 (BCC2021 Aru)	<i>Arundinella</i>	✓	✓	✓	✓	✓	no
clone 06 (BCC2021 Set-a)	<i>Setaria</i>	5: T	✓	✓	✓	✓	✓
clone 07	<i>Setaria</i>	✓	✓	7: T	1: A	✓	no
clone 08 (BCC2021 Set-b)	<i>Setaria</i>	11: T	✓	✓	1: A	✓	no
clone 09	<i>Setaria</i>	✓	✓	✓	1: A	✓	no
clone 10 (BCC2021 Pan)	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 11	<i>Panicum 1</i>	✓	✓	7: T	✓	✓	✓
clone 12 (BCC2021 Pas-b)	<i>Paspalum</i>	1: T, 12: A	9: A	4: A	✓	✓	no
clone 13	<i>Paspalum</i>	1: T, 12: A	9: A	4: A	✓	✓	no
clone 14	<i>Paspalum</i>	1: T, 12: A	9: A	4: A, 5: G	✓	✓	no
clone 15 (BCC2021 Pas-a)	<i>Paspalum</i>	11: T	✓	✓	✓	✓	✓

H. stenostachys BCC2041

clone 01	<i>Setaria</i>	11: T	✓	✓	1: A	✓	✓
clone 02	<i>Setaria</i>	11: T	✓	✓	1: A	✓	✓
clone 03	<i>Setaria</i>	11: T	✓	✓	1: A	✓	✓
clone 04 (BCC2041 Set-a)	<i>Setaria</i>	11: T	✓	✓	1: A	✓	✓
clone 05	<i>Setaria</i>	5: T	✓	9: T	✓	✓	✓
clone 06 (BCC2041 Set-b)	<i>Setaria</i>	5: T	✓	✓	✓	✓	✓

direct sequence (BCC2041 Pas-dir)	<i>Paspalum</i>	12: A	9: A	✓	✓	n. a.	✓
<i>P. spicata</i> USDA563869							
clone 01 (<i>P. spicata</i> USDA563869)	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 02	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 03	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 04	<i>Setaria</i>	1: T	✓	✓	8: A	✓	no
clone 05	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 06	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 07	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 08	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 09	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 10	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 11	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 12	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 13	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 14	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 15	<i>Setaria</i>	1: T	✓	✓	✓	4: C	✓
clone 16	<i>Setaria</i>	1: T	✓	✓	✓	4: C	✓
clone 17	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 18	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 19	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 20	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 21	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 22	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 23	<i>Setaria</i>	1: G	✓	✓	✓	✓	✓
clone 24	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓

clone 25	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 26	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 27	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 28	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 29	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 30	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 31	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 32	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 33	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 34	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 35	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 36	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 37	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 38	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 39	<i>Setaria</i>	1: T	✓	✓	✓	✓	no
clone 40	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 41	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
clone 42	<i>Setaria</i>	1: T	✓	✓	✓	✓	✓
<i>P. spicata</i> USDA632464							
direct sequence (P. spicata USDA632464 Set-dir)	<i>Setaria</i>	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.
<i>P. strigosa</i> USDA499637							
direct sequence (P. strigosa USDA499637 Set-dir)	<i>Setaria</i>	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.