

Leymus_mollis	ATGGGGTCACACGGCAAGCCACCCTACCGTACGCGTACAAGCCGTGCTGTCCGGCGCTG
Leymus_ramosus_Lam._Tzvel.	ATGGGGTCACACGGCAAGCCACCCTACCGTACGCGTACAAGCCGTGCGCGTCCGGCGGCC
Psathyrostachys_huashanica	ATGGGGTCACACGGCAAGCCACCCTACCGTACGCGTACAAGCCGTGCCGTCCGGCGC-

Leymus_mollis	GCCGCGGACGCGCATGGTGAGCGGACCGACTGCACGAGGTGGCGCGTGTGCGCCACCGTG
Leymus_ramosus_Lam._Tzvel.	GCCGCGCGCACGATGGTGAGCGGACCGGCTGTACGAGGTGGCGCGTGTGTGCCACCGTG
Psathyrostachys_huashanica	-----CGATGGTGAGCGGACCGGCTGTACGAGGTGGCGCGTGTGTGCGCCACCGTG

Leymus_mollis	CTGACGGCCTTGCCCATGGTGGTGGTGGTGGTGGTGGCGGCCACGCTCCTGTGAGATTACAG
Leymus_ramosus_Lam._Tzvel.	CTGACGGCCTCGGCCATGGTGGTGGTGGTGGTGGTGGCGGCCACGCTCCTGGCAGGAGTCAGG
Psathyrostachys_huashanica	CTGACGGCCTCGGCCATGGTGGTGGTGGTGGTGGTGGCGGCCACGCTCCTGGCAGGAGTCAG

Leymus_mollis	GTGGACGAGGCGGTCAACGAGGAGGCGCGGGCGGGTTCCCATGGAGCAACGAGATGCTG
Leymus_ramosus_Lam._Tzvel.	TTCGACGAGGCGGGCACGAGGAGGCGCGGGTGGGTTCCCGTGGAGCAACGAGATGCTG
Psathyrostachys_huashanica	TTCGACGAGGCGGGCACGAGGAGGCGCGGGCGGGTTCCCGTGGAGCAACGAGATGCTG
	* *****
Leymus_mollis	CAGTGGCAGCGCAGTGGTTACCATTACCAGCCGGCGAAGAATACTACATGAGCGATCCCAAC
Leymus_ramosus_Lam._Tzvel.	CAGTGGCAGCGCAGTGGTTACCATTTCAGCCGGCGAAGAATACTACATGAGCGATCCCAAC
Psathyrostachys_huashanica	CAGTGGCAGCGCAGTGGTTACCATTTCAGCCGGCGAAGAATACTACATGAGCGATCCCAAC

Leymus_mollis	GGTCTGTTTACTACCGTGGATGGTACCACATGTTCTACCAGTACAACCCGGTGGGCACC
Leymus_ramosus_Lam._Tzvel.	GGTCTGATGTACTACCGTGGATGGTACCACATGTTCTTCCAATACAACCCGGTGGGCACC
Psathyrostachys_huashanica	GGTCTGATGTACTACCGTGGATGGTACCACATGTTCTTCCAATACAACCCGGTGGGCACC
	***** * *****
Leymus_mollis	GATTGGGCTGACGCGATGGAGTGGGGCCACGCCGTGACCCGAACCTTGTCCAGTGGCGC
Leymus_ramosus_Lam._Tzvel.	GATTGGGATGACGCGATGGAGTGGGGCCACGCCGTGTCGCGAACCTTGTCCAATGGCGC
Psathyrostachys_huashanica	GATTGGGATGACGCGATGGAGTGGGGCCACGCCGTGTCGCGAACCTTGTCCAATGGCGC
	***** *****
Leymus_mollis	ACCCTCCCTATTGCCATGAAGACCGACCACTGGTACGACATCCTCGGCGTCTGTGCGGC
Leymus_ramosus_Lam._Tzvel.	ACCCTCCCTATTGCCATGGTGGCCGACCACTGGTACGACATCCTGGGAGTCTGTGCGGC
Psathyrostachys_huashanica	ACCCTCCCTATTGCCATGGTGGCCGACCACTGGTACGACATCCTGGGAGTCTGTGCGGC
	***** * *****
Leymus_mollis	TCTGTACGGTGCTACCAATGGCACAGTCATCATGCTCTACAGGGGGCCACTAAACAAC
Leymus_ramosus_Lam._Tzvel.	TCTATGACGGTGCTACCAATGGCACAGTCATCATGCTGTACAGGGGGCCACCAATGCC
Psathyrostachys_huashanica	TCTATGACGGTGCTACCAATGGCACAGTCATCATGCTGTACAGGGGGCCACCAACGCC
	** * *****
Leymus_mollis	TGGTACGTTGAGGCTACGTGCCTCGCTCTCCCCGCCGACCCCAACGACCCCTCCTCCGC
Leymus_ramosus_Lam._Tzvel.	TCCGCTGTTGAGGTCCAGTGCATCGCCACCCCGCCGACCCCAATGACCCCTCCTCCGC
Psathyrostachys_huashanica	TCCGCGGTTGAGGTCCAGTGCATCGCCACCCCGCCGACCCCGCCGACCCCTCCTCCGC
	* *****
Leymus_mollis	CGCTGGACCAAGCACCTGCGCAATCCCATCATCTGGTGC CGCGCGGGGATCGGCACCAAG
Leymus_ramosus_Lam._Tzvel.	CGATGGACCAAGCACCCGCGCAATCCCGTCATCTGGTCACCGCGGGGTCGGCACCAAG
Psathyrostachys_huashanica	CGCTGGACCAAGCACCCGCGCAATCCTATCATCTGGTGC CGCGCGGGGTCGGCACCAAG
	** *****
Leymus_mollis	GATTTCCGCGACCCGATGACCGCTTGGTATGATGATTCTGATCACACATGGCGCACCCCTC
Leymus_ramosus_Lam._Tzvel.	GATTTGAGAGACCGATGACCGCTTGGTATGATGAATCTGACCACACATGGCGCACCCCTC
Psathyrostachys_huashanica	GATTTCCGAGACCCGATGACCGCTTGGTATGATGAATCTGACCACACATGGCGCACCCCTC
	***** * *****
Leymus_mollis	TTCGGGTCCAAGGACGACCACAACGGCCACCACGATGGCATCGCCATCATGTACAAGACC
Leymus_ramosus_Lam._Tzvel.	CTCGGGTCCAAGGATGACCACCACGGCCACCACGATGGCATCGCCATCATGTACAAGACC
Psathyrostachys_huashanica	CTCGGGTCCAAGGACGACCACCACGGCCACCACGATGGCATCGCCATCATGTACAAGACC

Leymus_mollis	AAGGACTTCTTAATATGAGCTCATCCCGGGCATCTTGCATCGAGTCGAGAACACCGGT
Leymus_ramosus_Lam._Tzvel.	AAGGACTTCTTAATATGAGCTCATCCCGGGCATCTTGCATCGAGTCGAGAACACCGGC
Psathyrostachys_huashanica	AAGGACTTCTTAATATGAGCTCATCCCGGGCATCTTGCATCGAGTCGAGAACACCGGC

Leymus_mollis	GAGTGGGAGTGCATCGACTTCTACCCTGTGCGGCAGCGGCGGCAGCGAGAACTCATCGGAG
Leymus_racemosus_Lam._Tzvel.	GAGTGGGAGTGCATCGACTTCTACCCTGTGCGCCGCGAGCGGCAACGACAACACTCATCGGAG
Psathyrostachys_huashanica	GAGTGGGAGTGCATCGACTTCTACCCTGTGCGCCGCGAGTGGTAGCGACAACACTCATCGGAG
	***** * * * * *
Leymus_mollis	GTGTTGCACGTGTTGAAGGCGAGCATGGACGACGAACGACGACTACTACTCGCTAGGC
Leymus_racemosus_Lam._Tzvel.	ATGTTGCACGTGTTGAAGACGAGCATGGACGACGAACGGCACGACTACTACTCGCTAGGC
Psathyrostachys_huashanica	ATGTTGCACGTGTTGAAGGCGAGCATGGACGACGAACGGCACGACTACTACTCGCTAGGC

Leymus_mollis	AGGTACGACGCGGGGGCAAACAAGTGGACGCCGATTGACCCGGAGGCAGACTTGGGGGATC
Leymus_racemosus_Lam._Tzvel.	AGGTACGACTCGGCGGCAAACACGTGGACGCCGATTGACCCGGAGCTCGACTTGGGGGATC
Psathyrostachys_huashanica	AGGTACGACTCAGTGGCAAACACGTGGACGCCGTTGACCCGGAGCTCGACTTGGGGGATC
	***** * * * * *
Leymus_mollis	GGGCTGAGATACGACTGGGGTAAGTTTATGCGTCCACCACGTTCTATGGCCCGGTGAAG
Leymus_racemosus_Lam._Tzvel.	GGGCTGAGATACGACTGGGGTAAGTTTATGCGTCCACCACATTCTATGATCCGGCGAAG
Psathyrostachys_huashanica	GGGTTGAGATACGACTGGGGTAAGTTTATGCGTCCACCACGTTCTATGATCCGGCGAAG
	*** *****
Leymus_mollis	CACCGGCGCGTGTGTATGGGGTACGTCGCGCAGGTCGACTCCAAGCGGGCCGACATTGAC
Leymus_racemosus_Lam._Tzvel.	AAGCGGCGCGTGTGTATGGGGTACGTCGCGCAGGTCGACTCCAAGCGGGCTGACGTCGTG
Psathyrostachys_huashanica	AAGCGGCGTGTGTGTACGGGGTACGTTGGTGAGGTCGACTCCAAGCGGGCTGACGTCGTG
	* ***** * * * *
Leymus_mollis	AAGGGATGGGCCTCAATCCAGTCAGTTCTCTAGAACGGTGGCTCTAGACGAGAAGACCCGG
Leymus_racemosus_Lam._Tzvel.	AAGGGATGGGCCTCGATTTCAGTCAGTTCTTAGGACGGTGACTCTAGATGAGAAGACCCGG
Psathyrostachys_huashanica	AAGGGATGGGCCTCGATTTCAGTCAGTTCTTAGGACGGTGGCTCTGGACGAGAAGACCCGG
	***** * * * * *
Leymus_mollis	ACGAACCTCCTCCTCTGGCCAGTGAGGAGATCGAGACCCTCCGCCTCAACGCCACCGAA
Leymus_racemosus_Lam._Tzvel.	ACGAACCTCCTCCTATGGCCTGTGGAGGAGATTGAGACCCTCCGCCTCAATGCCACCGAA
Psathyrostachys_huashanica	ACGAACCTCCTCCTATGGCCTGTGGAGGAGATTGAGACCCTCCGCCTCAATGCCACCGAA
	***** * * * * *
Leymus_mollis	CTTAGCGACATCACCATTGACACCGGCTCTGTCTTCGCTGTCCCCCTCCGCGAAGCCGCT
Leymus_racemosus_Lam._Tzvel.	CTTAGCGACGTACCATTAACACTGGCTCTGTCTTCATGTCCCCCTCCGTCAAGGCACT
Psathyrostachys_huashanica	CTTAGCGACGTACCATTAACACTGGTTCCGTCTTCATGTCCCCCTCCGCCAAGGCACT
	***** * * * * *
Leymus_mollis	CAGCTCGACATTGAGGCCTATTTCGCGCTTGATGCTTCGGCCGTCGACGCCCTCAATGAG
Leymus_racemosus_Lam._Tzvel.	CAGCTCGACATCGAGGCCTCTTTCCGCGCTTGATGCTTCTGCCGTGCTGCCCTCAATGAG
Psathyrostachys_huashanica	CAGCTCGACATCGAGGCCTCTTTCCGCGCTTGATGCTTCTGCCGTGCTGCCCTCAATGAG

Leymus_mollis	GCTGATGTGGGCTACAACCTGCAGTAGCAGCGGCGGTGCTGCTACCCGCGGCGCACTAGGC
Leymus_racemosus_Lam._Tzvel.	GCTGATGTGGGCTATAACTGTAGTAGCAGCGGCGGTGCTGCTACCCGCGGTGCGCTAGGC
Psathyrostachys_huashanica	GCTGATGTGGGCTACAACCTGTAGTAGCAGCAGCGGTGCTGCTACCCGCGGCGCGCTAGGC
	***** * * * * *
Leymus_mollis	CTTTCGCGCTCCTCGTCTCGCTGCTGCGACCGCTGCTGGCGAGCAAACGGCAGTGTAC
Leymus_racemosus_Lam._Tzvel.	CCCTTCGCGCTCCTCGTCTCGCTGCTGGTAACCGCCTTGGCGAGCAAACGGCGGTGTAC
Psathyrostachys_huashanica	CCCTTCGCGCTCCTCGTCTCGCTGCTGGTAACCGCCTTGGCGAGCAAACGGCGGTGTAC
	* *****
Leymus_mollis	TTCTACGTGTCCAAGGGCCTCGACGGAAGCCTGCGGACTAGCTTCTGCCAAGACGAGTCA
Leymus_racemosus_Lam._Tzvel.	TTCTACGTGTCTAGGGGCTCGACGAGGCCTCCAGACCAGCTTCTGCCAAGACGAGTTG
Psathyrostachys_huashanica	TTCTACGTGTCTAGGGACCTCGACGAGGCCTCCAGACCAGCTTCTGCCAAGACGAGTTG
	***** * * * * *
Leymus_mollis	CGGTCGTACGGGCCAGGGATGTGACGAAGCGGGTGATTGGGAGCACCGTACCGGTGCTC
Leymus_racemosus_Lam._Tzvel.	AGATCGTCGTGGGCCAAGGATGTGACGAAGCGGGTGATTGGGAGCACCGTACCGGTGCTC
Psathyrostachys_huashanica	AGATCGTCATGGGCCAAGGATGTGACGAAGCGGGTGATTGGGAGCACCGTACCGGTGCTC
	* *****
Leymus_mollis	GAAGGTGAGGTTTTTTCTATGAGGGTGCTCGTGGACCACTCCATCGTGCAAGGCTTCGCG
Leymus_racemosus_Lam._Tzvel.	GATGGTGAGGCTTTTTCAATGAGGGTACTCGTGGACCACTCCATCGTGCAAGGCTTCGCG
Psathyrostachys_huashanica	GATGGTGAGGCTTTTTCAATGAGGGTACTCGTGGACCACTCCATCGTGCAAGGCTTCGCG
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Leymus_mollis      ATGGGCGGGAGGTGCACGATGACATCACGGGTGTACCCGACGGAGGCGATCTACCAGAAG
Leymus_racemosus_Lam._Tzvel. ATGGGCGGGAGGACCACGATGACATCACGGGTGTACCCGATGGAGGC--CTATCAGGAG
Psathyrostachys_huashanica ATGGGCGGGAGGACCACGATGACGTACGGGTGTACCCGATGGAGGC--CTATCAGGAG
                        *****
Leymus_mollis      GCAGGAGTATATTGTTCAACAATGCCACAAGCGCCCGCGTGACGGCGGAAAGGCTTGTC
Leymus_racemosus_Lam._Tzvel. GCAGGAGTGTACTTGTTCAACAATGCCACCGGTGCCGGCGTGACAGCGGAAAGGCTTGTC
Psathyrostachys_huashanica GCAGGAGTGTACTTGTTCAACAATGCCACTGGTGCCGGCGCGACAGCGGAAAGGCTTGTC
                        *****
Leymus_mollis      GTGCACGAGATGGACTCATCACACAACCAGCTCTCCAATGAGGACGATGACTTGTTCCTT
Leymus_racemosus_Lam._Tzvel. GTGCATGAGATGGACTCAGCACACAACCAACTCTCCAATGAAGACGATGGCTTGTATCTT
Psathyrostachys_huashanica GTGCACGAGATGGACTCAGCACACAACCAACTCTCCAATGAGGACGATGGCTTGTATCTT
                        *****
Leymus_mollis      CAATGA
Leymus_racemosus_Lam._Tzvel. CAATGA
Psathyrostachys_huashanica CAATGA
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Sequence alignment based on *6-SFT* cDNA from *Psathyrostachys huashanica* (NsNs), *Leymus racemosus* (Lam.) Tzvel. (NsNsXmXm), and *Leymus mollis* (NsNsXmXm).