

Table S1. Sequence of the *S/LPMO14A*

	DNA sequence (5'-3')
<i>S/LPMO14A</i>	>ATGTTTGTTTTCTACTTGTTCTCGTATCCAGTTTTCTCCCATTTGGCTG CTGGACATGCCTCAATATGGCATCCCTCCATGTGGGGCTTTAATGTCAC AGCACAGACCTTTCCATACGACAACAGGCCTGTCGCTCCATTAATGAA CTACAACTTCAGTCAATGGTGGTTCCACGGCCACCTCGACTACCCACC CCACCCCAAGACGTCTTCGAACTCCCTGCCGGCCAAAACGTCACCA CCGAAATCGCATGCGACAAGGGTGCCACTTCCTATTTTGGCAGTAACC CAGGTGGCGACATCCGAGAGGCCAACAACCCCGACAACGTCTGTCCC GGCTCTCCCATGTCAGAATATCACACCAAAGGCTTGACGACTTGAAA GGCTGTGCGCTTGCGATTGCTTACAAGAATAACGTGTGCGATATTCAG CCTGAGGATTTTACGGTCTTTAGTATCAACCAAACCTTGCGTCTGGACG CGGTTTACGGATTTCTCAGTGCCTGTTGATATGCCACCTTGTCTGCAG GTCTCTGTACCTGTGCGTTCTTTTGGATTCAATTCGCAAGATAGCGGTGG AGAGCAGAACTACATGAACAGCTTCCAATGCAATATCACCAACTCAAC CTCCAACGTTCCACTGGCAGCGGCCAAAGTCCCTCGACGCTGTGGCG CGGACCCCGCGAACAAGAAGCCAGATGCAGCTCCAGGGAACCTGCACA TACGGCGCGAAACAGCCTTTCTATTGGTTCCAGACTGAGCGCAACAAC ATGTTTGAAGGCACCTACTCCCCACCTTTCTATCTCGATCTGTACAACT TCCGCGATGGCGCTCAGAATGATATTTTCCAAAATTCGTATAGCAGCAT GCCAGTTCCTTCAGCAAATCAGACTGTGTTGCCCGTCTTAGCTAGTCT ACCCGGTGGCAACTCCAGTGATGCAACGCCTGCGACTAGCACGAGTG CTTCTTCCGTCGCCTCCACACCTACTCACACAACCAGTGCGACTCCTT CACCTACTCTCTCCGGATCTCCCAAAACATGTAAACGAAACGGAAGTG CCTTTTCCCGCCGAAACTTCGATTCGTGCTCAGTCTTCCCTTCACAA TCTCTTCGGCGTAAATAGGCACAGTAGAAGACTGAGCACAAGCAAGC GGTCTAGCTTGTGGCGCCCTATTTGA