

**S1 Table. PCR primers and 24 barcode sequences.**

<b>ID</b>	<b>Sequence (5'to3')</b>	<b>Modify</b>
GBS_PCR_primerF	AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT	
GBS_PCR_primerR	CAAGCAGAAGACGGCATACGAGATCGGTCTCGGCATTCCTGCTGAACCGCTCTTCCGATCT	
CommonAda_Mse_1	TAAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG	5'P
CommonAda_Mse_2	CTCGGCATTCCTGCTGAACCGCTCTTCCGATCT	
CommonAda_Msp_1	CGAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG	5'P
CommonAda_Msp_2	CTCGGCATTCCTGCTGAACCGCTCTTCCGATCT	
CommonAda_Apek_1	CWGAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG	5'P
CommonAda_Apek_2	CTCGGCATTCCTGCTGAACCGCTCTTCCGATCT	
Bar01_Ada_EcoRI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTAACAGT	
Bar01_Ada_EcoRI_2	AATTACTGTTAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar02_Ada_EcoRI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTCCAGTA	
Bar02_Ada_EcoRI_2	AATTTACTGGAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar03_Ada_EcoRI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTTGCAC	
Bar03_Ada_EcoRI_2	AATTGTGCAAAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar04_Ada_EcoRI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGGTTCA	
Bar04_Ada_EcoRI_2	AATTTGAACCAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar05_Ada_EcoRI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTAACGTC	
Bar05_Ada_EcoRI_2	AATTGACGTTAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar06_Ada_EcoRI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTCCAAGT	
Bar06_Ada_EcoRI_2	AATTACTTGGAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar07_Ada_PstI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGAACTGCTGCA	
Bar07_Ada_PstI_2	GCAGTTCAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar08_Ada_PstI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTACCATGTTGCA	
Bar08_Ada_PstI_2	ACATGGTAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar09_Ada_PstI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTCTTGAGCTGCA	
Bar09_Ada_PstI_2	GCTCAAGAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar10_Ada_PstI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTACGTGGTTGCA	
Bar10_Ada_PstI_2	ACCACGTAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar11_Ada_PstI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGGAACGTTGCA	
Bar11_Ada_PstI_2	ACGTTCCAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar12_Ada_PstI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTCACTAGCTGCA	
Bar12_Ada_PstI_2	GCTAGTGAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar13_Ada_PstI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTATTCTGCTGCA	
Bar13_Ada_PstI_2	GCAGAATAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar14_Ada_PstI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTCGGAGGTTGCA	
Bar14_Ada_PstI_2	ACCTCCGAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar15_Ada_PstI_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTAAGAACTGCA	
Bar15_Ada_PstI_2	GTTCTTAAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar16_Ada_BglII_1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGAGAACGT	

Bar16_Ada_BglII_2	GATCACGTTCTCAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar17_Ada_BglII_1	ACACTCTTTCCTACACGACGCTCTCCGATCTCCTCCAGC	
Bar17_Ada_BglII_2	GATCGCTGGAGGAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar18_Ada_BglII_1	ACACTCTTTCCTACACGACGCTCTCCGATCTATCTTGGC	
Bar18_Ada_BglII_2	GATCGCCAAGATAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar19_Ada_HinPI_1	ACACTCTTTCCTACACGACGCTCTCCGATCTAAGAATCGC	
Bar19_Ada_HinPI_2	CGGCGATTCTTAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar20_Ada_HinPI_1	ACACTCTTTCCTACACGACGCTCTCCGATCTCCTCCATGC	
Bar20_Ada_HinPI_2	CGGCATGGAGGAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar21_Ada_HinPI_1	ACACTCTTTCCTACACGACGCTCTCCGATCTATCTTCGGC	
Bar21_Ada_HinPI_2	CGGCCGAAGATAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar22_Ada_HinPI_1	ACACTCTTTCCTACACGACGCTCTCCGATCTTGGAGGCGC	
Bar22_Ada_HinPI_2	CGGCGCCTCCAAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar23_Ada_HinPI_1	ACACTCTTTCCTACACGACGCTCTCCGATCTGAAGAATGC	
Bar23_Ada_HinPI_2	CGGCATTCTCAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P
Bar24_Ada_HinPI_1	ACACTCTTTCCTACACGACGCTCTCCGATCTACCTCTGGC	
Bar24_Ada_HinPI_2	CGCCAGAGGTAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	5'P