

Table S1 Primer sequences and MID (i5 and i7) sequences used for parsing sequences into experimental units.**Primary PCR Primers**

nexF-N3-515f	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG-NNN-GTGYCAGCMGCCGCGGTAA
nexF-N4-515f	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG-NNNN-GTGYCAGCMGCCGCGGTAA
nexF-N5-515f	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG-NNNNN-GTGYCAGCMGCCGCGGTAA
nexF-N6-515f	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG-NNNNNN-GTGYCAGCMGCCGCGGTAA
nexF-N3-806r	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG-NNN-GGACTACNVGGGTWTCTAAT
nexF-N4-806r	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG-NNNN-GGACTACNVGGGTWTCTAAT
nexF-N5-806r	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG-NNNNN-GGACTACNVGGGTWTCTAAT
nexF-N6-806r	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG-NNNNNN-GGACTACNVGGGTWTCTAAT

Secondary PCR Primers

P5-i5-Overlap	AATGATACGGCGACCACCGAGATCTACAC-i5-TCGTCGGCAGCGTC
P7-i7-Overlap	CAAGCAGAAGACGGCATACGAGAT-i7-GTCTCGTGGGCTCGG

Forward MID 5' - 3' (i5)	Reverse MID 5' - 3' (i7)	Sample Name	Sample Description
GGCCATAT	AGAGACAC	Castle_Lake_1	NP Wood Light
CACTTCTG	ACCTTGCT	Castle_Lake_2	NP Rock Light
GTCACAGT	TTGCTACC	Castle_Lake_3	NP Wood Dark
CTTGCCA	CATCACCT	Castle_Lake_4	NP Rock Dark
GGATCCAT	GAGTACAG	Castle_Lake_5	NP+G Wood Light
TGGTGAAG	TCCATGC	Castle_Lake_6	NP+G Rock Light
GTGACTGT	AACGAACG	Castle_Lake_7	NP+G Wood Dark
CGCCTTAT	GTACCAAC	Castle_Lake_8	NP+G Rock Dark
TTCGATGG	AGAGACAC	Castle_Lake_9	Glucose Wood Light
ATGGCCTA	ACCTTGCT	Castle_Lake_10	Glucose Rock Light
CTGACAGT	TTGCTACC	Castle_Lake_11	Glucose Wood Dark
CAAGGAAC	CATCACCT	Castle_Lake_12	Glucose Rock Dark
GACTAGAG	GAGTACAG	Castle_Lake_13	Control Wood Light
AGACGTCT	TCCATGC	Castle_Lake_14	Control Rock Light
CAACTGCA	AACGAACG	Castle_Lake_15	Control Wood Dark
AACGATCC	GTACCAAC	Castle_Lake_16	Control Rock Dark
GTGTCACA	AGAGACAC	Castle_Lake_17	Control Wood Light
AGTCTGTG	ACCTTGCT	Castle_Lake_18	Control Rock Light
CTCTACAC	TTGCTACC	Castle_Lake_19	Control Wood Dark
GTAGGATG	CATCACCT	Castle_Lake_20	Control Rock Dark
GGATTAGG	GAGTACAG	Castle_Lake_21	Glucose Wood Light
CGCGTATA	TCCATGC	Castle_Lake_22	Glucose Rock Light
TACGGCTA	AACGAACG	Castle_Lake_23	Glucose Wood Dark
CTTGTGCT	GTACCAAC	Castle_Lake_24	Glucose Rock Dark
ACGTGATC	AGAGACAC	Castle_Lake_25	NP Wood Light
AACCTTCC	ACCTTGCT	Castle_Lake_26	NP Rock Light
CAGTGACT	TTGCTACC	Castle_Lake_27	NP Wood Dark
TTCGCCAT	CATCACCT	Castle_Lake_28	NP Rock Dark
TGACGAGA	GAGTACAG	Castle_Lake_29	NP+G Wood Light
TGCTTGA	TCCATGC	Castle_Lake_30	NP+G Rock Light
CACTTGTC	AACGAACG	Castle_Lake_31	NP+G Wood Dark
TAGGCCTA	GTACCAAC	Castle_Lake_32	NP+G Rock Dark
AGAGCAGT	AGAGACAC	Castle_Lake_33	NP Wood Light

ACCTGTTC	ACCTTGCT	Castle_Lake_34	NP Rock Light
CTGTGTCT	TTGCTACC	Castle_Lake_35	NP Wood Dark
TAGGCGTT	CATCACCT	Castle_Lake_36	NP Rock Dark
TCGTAGCA	GAGTACAG	Castle_Lake_37	Glucose Wood Light
TCCTTCCT	TTCCATGC	Castle_Lake_38	Glucose Rock Light
AGTCCACA	AACGAACG	Castle_Lake_39	Glucose Wood Dark
GTAGCTTG	GTACCAAC	Castle_Lake_40	Glucose Rock Dark
CTCTAGAG	AGAGACAC	Castle_Lake_41	Control Wood Light
CAGACTCA	ACCTTGCT	Castle_Lake_42	Control Rock Light
TGGTACCA	TTGCTACC	Castle_Lake_43	Control Wood Dark
TCAGCAGT	CATCACCT	Castle_Lake_44	Control Rock Dark
ACCTCTAC	GAGTACAG	Castle_Lake_45	NP+G Wood Light
GGCCATAT	GTAGACCT	Castle_Lake_46	NP+G Rock Light
TCTGGAGT	AACGAACG	Castle_Lake_47	NP+G Wood Dark
AACCATCG	GTACCAAC	Castle_Lake_48	NP+G Rock Dark
AACCGGTT	AGAGACAC	Castle_Lake_49	NP+G Wood Light
AGTGTCTG	ACCTTGCT	Castle_Lake_50	NP+G Rock Light
TCCTTGCA	TTGCTACC	Castle_Lake_51	NP+G Wood Dark
TTCCATGC	CATCACCT	Castle_Lake_52	NP+G Rock Dark
GACTACAC	GAGTACAG	Castle_Lake_53	Glucose Wood Light
GACAACTC	TTCCATGC	Castle_Lake_54	Glucose Rock Light
CACTTCTG	GTAGACCT	Castle_Lake_55	Glucose Wood Dark
TGGACTAC	GTACCAAC	Castle_Lake_56	Glucose Rock Dark
TGGTCAAC	AGAGACAC	Castle_Lake_57	NP Wood Light
CTTGGTAG	ACCTTGCT	Castle_Lake_58	NP Rock Light
GCATCGAT	TTGCTACC	Castle_Lake_59	NP Wood Dark
GATCACCA	CATCACCT	Castle_Lake_60	NP Rock Dark
GCTTAAGC	GAGTACAG	Castle_Lake_61	Control Wood Light
CCAATTCC	TTCCATGC	Castle_Lake_62	Control Rock Light
TTCCAAGG	AACGAACG	Castle_Lake_63	Control Wood Dark
GAAGACCA	GTACCAAC	Castle_Lake_64	Control Rock Dark
GTACGATC	AGAGACAC	Castle_Lake_Negative	