

**Table S2.** All raw read sequence files are available from the DRA/SRA database

ProProject	ProProject SubData (Run Subname)	SubSample	SubSample Subname	Sample Name	Experiment	Experiment alias	Experiment Title	Library Source	Library Strategy	Library Name	Library Layout	Run	Run Alias	Run Title	Run Files
PRD89636	PSUB01400	DR0A15618	SAM005057670	SB02BA0403	STN-221124-Influent	DRX424685	tsuyoshi_sakizuka_0071_Experiment_0001	NextSeq500 paired end sequencing of SAM005057670	GENOMIC	WGS	PAIRED	DRA439511	tsuyoshi_sakizuka_0071_Run_0001	NextSeq500 paired end sequencing of SAM005057670	STN-221124-Influent_read1_fastq.gz;STN-221124-Influent_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057671	SB02BA0403	STN-221124-Ozone	DRX424686	tsuyoshi_sakizuka_0071_Experiment_0002	NextSeq500 paired end sequencing of SAM005057671	GENOMIC	WGS	PAIRED	DRA439512	tsuyoshi_sakizuka_0071_Run_0002	NextSeq500 paired end sequencing of SAM005057671	STN-221124-OzoneUv_read1_fastq.gz;STN-221124-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057672	SB02BA0403	STN-221124-OzoneUv	DRX424687	tsuyoshi_sakizuka_0071_Experiment_0003	NextSeq500 paired end sequencing of SAM005057672	GENOMIC	WGS	PAIRED	DRA439513	tsuyoshi_sakizuka_0071_Run_0003	NextSeq500 paired end sequencing of SAM005057672	STN-221124-OzoneUv_read1_fastq.gz;STN-221124-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057673	SB02BA0403	STN-221125-Influent	DRX424688	tsuyoshi_sakizuka_0071_Experiment_0004	NextSeq500 paired end sequencing of SAM005057673	GENOMIC	WGS	PAIRED	DRA439514	tsuyoshi_sakizuka_0071_Run_0004	NextSeq500 paired end sequencing of SAM005057673	STN-221125-Influent_read1_fastq.gz;STN-221125-Influent_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057674	SB02BA0403	STN-221125-Ozone	DRX424689	tsuyoshi_sakizuka_0071_Experiment_0005	NextSeq500 paired end sequencing of SAM005057674	GENOMIC	WGS	PAIRED	DRA439515	tsuyoshi_sakizuka_0071_Run_0005	NextSeq500 paired end sequencing of SAM005057674	STN-221125-OzoneUv_read1_fastq.gz;STN-221125-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057675	SB02BA0403	STN-221125-OzoneUv	DRX424690	tsuyoshi_sakizuka_0071_Experiment_0006	NextSeq500 paired end sequencing of SAM005057675	GENOMIC	WGS	PAIRED	DRA439516	tsuyoshi_sakizuka_0071_Run_0006	NextSeq500 paired end sequencing of SAM005057675	STN-221125-OzoneUv_read1_fastq.gz;STN-221125-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057676	SB02BA0403	STN-221128-Influent	DRX424691	tsuyoshi_sakizuka_0071_Experiment_0007	NextSeq500 paired end sequencing of SAM005057676	GENOMIC	WGS	PAIRED	DRA439517	tsuyoshi_sakizuka_0071_Run_0007	NextSeq500 paired end sequencing of SAM005057676	STN-221128-Influent_read1_fastq.gz;STN-221128-Influent_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057677	SB02BA0403	STN-221128-Ozone	DRX424692	tsuyoshi_sakizuka_0071_Experiment_0008	NextSeq500 paired end sequencing of SAM005057677	GENOMIC	WGS	PAIRED	DRA439518	tsuyoshi_sakizuka_0071_Run_0008	NextSeq500 paired end sequencing of SAM005057677	STN-221128-OzoneUv_read1_fastq.gz;STN-221128-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057678	SB02BA0403	STN-221128-OzoneUv	DRX424693	tsuyoshi_sakizuka_0071_Experiment_0009	NextSeq500 paired end sequencing of SAM005057678	GENOMIC	WGS	PAIRED	DRA439519	tsuyoshi_sakizuka_0071_Run_0009	NextSeq500 paired end sequencing of SAM005057678	STN-221128-OzoneUv_read1_fastq.gz;STN-221128-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057679	SB02BA0403	STN-221130-Influent	DRX424694	tsuyoshi_sakizuka_0071_Experiment_0010	NextSeq500 paired end sequencing of SAM005057679	GENOMIC	WGS	PAIRED	DRA439520	tsuyoshi_sakizuka_0071_Run_0010	NextSeq500 paired end sequencing of SAM005057679	STN-221130-Influent_read1_fastq.gz;STN-221130-Influent_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057680	SB02BA0403	STN-221130-Ozone	DRX424695	tsuyoshi_sakizuka_0071_Experiment_0011	NextSeq500 paired end sequencing of SAM005057680	GENOMIC	WGS	PAIRED	DRA439521	tsuyoshi_sakizuka_0071_Run_0011	NextSeq500 paired end sequencing of SAM005057680	STN-221130-OzoneUv_read1_fastq.gz;STN-221130-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057681	SB02BA0403	STN-221130-OzoneUv	DRX424696	tsuyoshi_sakizuka_0071_Experiment_0012	NextSeq500 paired end sequencing of SAM005057681	GENOMIC	WGS	PAIRED	DRA439522	tsuyoshi_sakizuka_0071_Run_0012	NextSeq500 paired end sequencing of SAM005057681	STN-221130-OzoneUv_read1_fastq.gz;STN-221130-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057682	SB02BA0403	STN-221202-Influent	DRX424697	tsuyoshi_sakizuka_0071_Experiment_0013	NextSeq500 paired end sequencing of SAM005057682	GENOMIC	WGS	PAIRED	DRA439523	tsuyoshi_sakizuka_0071_Run_0013	NextSeq500 paired end sequencing of SAM005057682	STN-221202-Influent_read1_fastq.gz;STN-221202-Influent_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057683	SB02BA0403	STN-221202-Ozone	DRX424698	tsuyoshi_sakizuka_0071_Experiment_0014	NextSeq500 paired end sequencing of SAM005057683	GENOMIC	WGS	PAIRED	DRA439524	tsuyoshi_sakizuka_0071_Run_0014	NextSeq500 paired end sequencing of SAM005057683	STN-221202-OzoneUv_read1_fastq.gz;STN-221202-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057684	SB02BA0403	STN-221202-OzoneUv	DRX424700	tsuyoshi_sakizuka_0071_Experiment_0015	NextSeq500 paired end sequencing of SAM005057684	GENOMIC	WGS	PAIRED	DRA439526	tsuyoshi_sakizuka_0071_Run_0015	NextSeq500 paired end sequencing of SAM005057684	STN-221202-OzoneUv_read1_fastq.gz;STN-221202-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057685	SB02BA0403	STN-221209-Influent	DRX424701	tsuyoshi_sakizuka_0071_Experiment_0016	NextSeq500 paired end sequencing of SAM005057685	GENOMIC	WGS	PAIRED	DRA439527	tsuyoshi_sakizuka_0071_Run_0016	NextSeq500 paired end sequencing of SAM005057685	STN-221209-Influent_read1_fastq.gz;STN-221209-Influent_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057686	SB02BA0403	STN-221209-Ozone	DRX424701	tsuyoshi_sakizuka_0071_Experiment_0017	NextSeq500 paired end sequencing of SAM005057686	GENOMIC	WGS	PAIRED	DRA439527	tsuyoshi_sakizuka_0071_Run_0017	NextSeq500 paired end sequencing of SAM005057686	STN-221209-OzoneUv_read1_fastq.gz;STN-221209-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057687	SB02BA0403	STN-221209-OzoneUv	DRX424702	tsuyoshi_sakizuka_0071_Experiment_0018	NextSeq500 paired end sequencing of SAM005057687	GENOMIC	WGS	PAIRED	DRA439528	tsuyoshi_sakizuka_0071_Run_0018	NextSeq500 paired end sequencing of SAM005057687	STN-221209-OzoneUv_read1_fastq.gz;STN-221209-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057688	SB02BA0403	STN-221223-Influent	DRX424703	tsuyoshi_sakizuka_0071_Experiment_0019	NextSeq500 paired end sequencing of SAM005057688	GENOMIC	WGS	PAIRED	DRA439529	tsuyoshi_sakizuka_0071_Run_0019	NextSeq500 paired end sequencing of SAM005057688	STN-221223-Influent_read1_fastq.gz;STN-221223-Influent_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057689	SB02BA0403	STN-221223-Ozone	DRX424704	tsuyoshi_sakizuka_0071_Experiment_0020	NextSeq500 paired end sequencing of SAM005057689	GENOMIC	WGS	PAIRED	DRA439530	tsuyoshi_sakizuka_0071_Run_0020	NextSeq500 paired end sequencing of SAM005057689	STN-221223-OzoneUv_read1_fastq.gz;STN-221223-OzoneUv_read2_fastq.gz
PRD89636	PSUB01400	DR0A15618	SAM005057670	SB02BA0403	STN-221223-OzoneUv	DRX424705	tsuyoshi_sakizuka_0071_Experiment_0021	NextSeq500 paired end sequencing of SAM005057670	GENOMIC	WGS	PAIRED	DRA439531	tsuyoshi_sakizuka_0071_Run_0021	NextSeq500 paired end sequencing of SAM005057670	STN-221223-OzoneUv_read1_fastq.gz;STN-221223-OzoneUv_read2_fastq.gz