

Sample ID	Total number of sequenced reads	Reference_ genome	Total number of uniquely mapped reads	RNA integrity number (RIN)	Ratio of all reads aligned to rRNA regions to total uniquely mapped reads (rRNA rate)	Ratio of exon-mapped reads to total uniquely mapped reads (Expression Profile Efficiency)	Total number of detected transcripts with reads ≥ 1	DDBL BioProject Submission ID
OHCC-1	50591541	GRCh38	49208420	10.0	2.79	96.1	31641	PRJDB10863
OHCC-2	62975254	GRCh38	60300221	9.0	4.31	96.0	33146	PRJDB10863
OHCC-3	57046675	GRCh38	56083840	9.7	1.73	96.1	27959	PRJDB10863
OHCC-4	60165900	GRCh38	59175182	10.0	1.68	96.8	29562	PRJDB10863
OHCC-5	59948917	GRCh38	58616739	9.1	2.28	95.0	32173	PRJDB10863
SHCC-1	35847002	GRCh38	35099523	8.9	2.18	94.5	27995	PRJDB10863
SHCC-2	45221225	GRCh38	43589106	8.0	3.82	94.5	42651	PRJDB10863

Sample ID in the current study	Sample ID	Bowtie2					Tophat2															Cufflinks 2.2.1				
		Total reads	Aligned concordantly	Percentage of aligned concordantly		Percentage of rRNA	Left					Right					Overall Percent age	Aligned pairs					Total_isoform	Coverge ≥ 1	Percentage	
				Pairs align	Percentage of Mapped alignments		Multiple alignments	Percentage of multiple	Input	Mapped	Percentage of Mapped	Multiple alignments	Percentage of multiple	Input	Mapped	Percentage of Mapped		Multiple alignments	Percentage of multiple	Pairs	Multiple alignments	Percentage of multiple				Discordant alignments
OHCC-1	hExp008	50591541	49208420	97.27	49207808	2.79	49208420	47855546	97.3	3760641	7.9	49208420	46690975	94.9	3647186	7.8	96.1	45847747	3542691	7.7	1745586	3.8	89.6	73122	31641	43.3
OHCC-2	hExp046	62975254	60300221	95.75	60298775	4.31	60300221	58529559	97.1	5211307	8.9	60300221	57233897	94.9	5057874	8.8	96.0	56281664	4940226	8.8	1988125	3.5	90.0	74707	33146	44.4
OHCC-3	hExp081	57046675	56083840	98.31	56083348	1.73	56083840	54758642	97.6	4776789	8.7	56083840	53079917	94.6	4620712	8.7	96.1	52202217	4511125	8.6	2081165	4.0	89.4	70381	27959	39.7
OHCC-4	hExp095	60165900	59175182	98.35	59174570	1.68	59175182	57624524	97.4	5236916	9.1	59175182	56880302	96.1	5177556	9.1	96.8	55939575	5059587	9.0	2222114	4.0	90.8	71522	29562	41.3
OHCC-5	hExp130	59948917	58616739	97.78	58616030	2.28	58616739	56445602	96.3	4892385	8.7	58616739	54936741	93.7	4739515	8.6	95.0	53804676	4562873	8.5	1777033	3.3	88.8	72964	32173	44.1
SHCC-1	hExp078	35847002	35099523	97.91	35098883	2.18	35099523	33966784	96.8	2677127	7.9	35099523	32348065	92.2	2512658	7.8	94.5	31675172	2448741	7.7	2282865	7.2	83.7	69560	27995	40.2
SHCC-2	hExp147	45221225	43589106	96.39	43586318	3.82	43589106	42097208	96.6	4134996	9.8	43589106	40293588	92.4	3938598	9.8	94.5	39431500	3802003	9.6	2836374	7.2	84.0	83190	42651	51.3

Alias	Title	BioSample Used	Library Name	Library Source	Library Selection	Library Strategy	Library Construction Protocol	Instrument	Spot Type	Nominal Length	Nominal Sdev	Spot Length
New	Ordinary Hepatocellular carcinoma tissue-1	PRJDB10863	OHCC-1	TRANSCRIPTOMIC	cDNA_oligo_dT	RNA-Seq	IlluminaTruSeq Stranded mRNA Library prep kit	NextSeq 550	paired(FR)	75		150
New	Ordinary Hepatocellular carcinoma tissue-2	PRJDB10863	OHCC-2	TRANSCRIPTOMIC	cDNA_oligo_dT	RNA-Seq	IlluminaTruSeq Stranded mRNA Library prep kit	NextSeq 550	paired(FR)	75		150
New	Ordinary Hepatocellular carcinoma tissue-3	PRJDB10863	OHCC-3	TRANSCRIPTOMIC	cDNA_oligo_dT	RNA-Seq	IlluminaTruSeq Stranded mRNA Library prep kit	NextSeq 550	paired(FR)	75		150
New	Ordinary Hepatocellular carcinoma tissue-4	PRJDB10863	OHCC-4	TRANSCRIPTOMIC	cDNA_oligo_dT	RNA-Seq	IlluminaTruSeq Stranded mRNA Library prep kit	NextSeq 550	paired(FR)	75		150
New	Ordinary Hepatocellular carcinoma tissue-5	PRJDB10863	OHCC-5	TRANSCRIPTOMIC	cDNA_oligo_dT	RNA-Seq	IlluminaTruSeq Stranded mRNA Library prep kit	NextSeq 550	paired(FR)	75		150
New	Sarcomatoid Hepatocellular carcinoma tissue-1	PRJDB10863	SHCC-1	TRANSCRIPTOMIC	cDNA_oligo_dT	RNA-Seq	IlluminaTruSeq Stranded mRNA Library prep kit	NextSeq 550	paired(FR)	75		150
New	Sarcomatoid Hepatocellular carcinoma tissue-2	PRJDB10863	SHCC-2	TRANSCRIPTOMIC	cDNA_oligo_dT	RNA-Seq	IlluminaTruSeq Stranded mRNA Library prep kit	NextSeq 550	paired(FR)	75		150

Alias	Title	Experiment Referenced
toshsuzu-0001_Run_0001	NextSeq 550 paired end sequencing of SAMD00263620	toshsuzu-0001_Experiment_0008
toshsuzu-0001_Run_0002	NextSeq 550 paired end sequencing of SAMD00263621	toshsuzu-0001_Experiment_0009
toshsuzu-0001_Run_0003	NextSeq 550 paired end sequencing of SAMD00263622	toshsuzu-0001_Experiment_0010
toshsuzu-0001_Run_0004	NextSeq 550 paired end sequencing of SAMD00263623	toshsuzu-0001_Experiment_0011
toshsuzu-0001_Run_0005	NextSeq 550 paired end sequencing of SAMD00263624	toshsuzu-0001_Experiment_0012
toshsuzu-0001_Run_0006	NextSeq 550 paired end sequencing of SAMD00263625	toshsuzu-0001_Experiment_0013
toshsuzu-0001_Run_0007	NextSeq 550 paired end sequencing of SAMD00263626	toshsuzu-0001_Experiment_0014

Run/Analysis	File Name	Run/Analysis contains files	File Type	MD5 Checksum
Analysis	Merged_fpkms_Sum.txt		tab	EC2ACFA64EFA327BC5DAE3E2668A5BDB
Analysis	Merged_fpkms_Sum_log.txt		tab	F179B7D990DC18847948CAB85AB8E692
Run	OHCC1_T-rna-1-1_S5_R1_001.fastq.gz	tohsuzu-0001_Run_0001	generic_fastq	99843EE7F340CEA6C7C7456CEE42689B
Run	OHCC1_T-rna-1-1_S5_R2_001.fastq.gz	tohsuzu-0001_Run_0001	generic_fastq	10D70C954B5D7E7A904FF2CB998198F7
Analysis	OHCC1_accepted_hits.bam	tohsuzu-0001_Run_0001	bam	2AD34FB12E6180B8C02796D42778BFC7
Analysis	OHCC1_isoforms.fpkms_tracking.txt	tohsuzu-0001_Run_0001	tab	7C37844510C7CE151C10976CDF488C6F
Run	OHCC2_T-rna-1-1_S6_R1_001.fastq.gz	tohsuzu-0001_Run_0002	generic_fastq	06B125984017ACD69D3823E349D35D9D
Run	OHCC2_T-rna-1-1_S6_R2_001.fastq.gz	tohsuzu-0001_Run_0002	generic_fastq	15A599FAFC18A7B7B74FBA41482B33D1
Analysis	OHCC2_accepted_hits.bam	tohsuzu-0001_Run_0002	bam	BC91ED0C30D1CE1FAEBE4DCDF43DC268
Analysis	OHCC2_isoforms.fpkms_tracking.txt	tohsuzu-0001_Run_0002	tab	F802F86A3828A3487774DA12D3AF438C
Run	OHCC3_T-rna-1-1_S7_R1_001.fastq.gz	tohsuzu-0001_Run_0003	generic_fastq	ADD347F0E548AAFBA4257D2B01AA1CA9
Run	OHCC3_T-rna-1-1_S7_R2_001.fastq.gz	tohsuzu-0001_Run_0003	generic_fastq	C08431C9322703E4FA56695176E4C77F
Analysis	OHCC3_accepted_hits.bam	tohsuzu-0001_Run_0003	bam	24D64F34F5C0AD7A91646028A448178C
Analysis	OHCC3_isoforms.fpkms_tracking.txt	tohsuzu-0001_Run_0003	tab	CF68178258E2F5340253CD07728A3B93
Run	OHCC4_T-rna-1-1_S8_R1_001.fastq.gz	tohsuzu-0001_Run_0004	generic_fastq	4C83E8232837C454D6A660A7DBE9DFB7
Run	OHCC4_T-rna-1-1_S8_R2_001.fastq.gz	tohsuzu-0001_Run_0004	generic_fastq	EAE7C02F8AEC1DEFEF16CCCE14181234
Analysis	OHCC4_accepted_hits.bam	tohsuzu-0001_Run_0004	bam	74373F38132A352A0C7110A06A17DE34
Analysis	OHCC4_isoforms.fpkms_tracking.txt	tohsuzu-0001_Run_0004	tab	2EA2C72CD242EB63EA5CA50737E71C65
Run	OHCC5_T-rna-1-1_S3_R1_001.fastq.gz	tohsuzu-0001_Run_0005	generic_fastq	C65556A1A8933F61A2F9531FF85F66E9
Run	OHCC5_T-rna-1-1_S3_R2_001.fastq.gz	tohsuzu-0001_Run_0005	generic_fastq	FEB385810C774B0CEA5CE71F8541372A
Analysis	OHCC5_accepted_hits.bam	tohsuzu-0001_Run_0005	bam	E0ADB2C469B8E58BA26D2AA59E07F473
Analysis	OHCC5_isoforms.fpkms_tracking.txt	tohsuzu-0001_Run_0005	tab	00A63CFE7B297A085F8CE7470F41351D
Run	SHCC1_T-rna-1-1_S1_R1_001.fastq.gz	tohsuzu-0001_Run_0006	generic_fastq	D09D91775BE29F72620008F361B30765
Run	SHCC1_T-rna-1-1_S1_R2_001.fastq.gz	tohsuzu-0001_Run_0006	generic_fastq	CD835DDB2B21BE4A4165AE87514E8267
Analysis	SHCC1_accepted_hits.bam	tohsuzu-0001_Run_0006	bam	91697D1D61FC52048A619ACFA5AD90A6
Analysis	SHCC1_isoforms.fpkms_tracking.txt	tohsuzu-0001_Run_0006	tab	7D0B370734D3ADD18C401159DEBA2F00
Run	SHCC2_T-rna-1-1_S5_R1_001.fastq.gz	tohsuzu-0001_Run_0007	generic_fastq	CD7865966B0274341C16DF5682080CFE
Run	SHCC2_T-rna-1-1_S5_R2_001.fastq.gz	tohsuzu-0001_Run_0007	generic_fastq	910D7AF087284C77BD6F6AE1108C5D59
Analysis	SHCC2_accepted_hits.bam	tohsuzu-0001_Run_0007	bam	294A16D02F456038CE8178897D94AD0E
Analysis	SHCC2_isoforms.fpkms_tracking.txt	tohsuzu-0001_Run_0007	tab	839138C068408C057A35295076694947
Analysis	merged.gtf		gtf	8AB5DD2824FCE0D57A44212AC61CA1BD