	DNA1	Adapters	PBSQ	PTSO	PSQS	PBSC	PSGCC	PRNC	SLD	SDI	OS	ΔC	KC
	Initial	None	1 550	1.150	гоцо	1 550	. 5555	T BIVE	JED	JDE		710	NO
		NexteraPE-PE											
	After adapter removal	TruSeq2-PE											
ard		TruSeq3-PE											
forward		TruSeq3-PE-2											
ų	After trimming by FastQC report	TruSeq2-PE											
	After trimming by FastQC report After AVGQUAL	TruSeq3-PE-2 TruSeq3-PE-2											
	After MAXINFO	TruSeq3-PE-2											
	Initial	None											
		NexteraPE-PE											
	After adapter removal After trimming by FastQC report	TruSeq2-PE											
rse		TruSeq3-PE											
reverse		TruSeq3-PE-2											
	After trimming by FastQC report	TruSeq2-PE TruSeq3-PE-2											
	After AVGQUAL	TruSeq3-PE-2											
	After MAXINFO	TruSeq3-PE-2											
	DNA2 Initial	Adaptors None	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
	miliar	NexteraPE-PE											
Ī	After adapter removal	TruSeq2-PE											
ırd		TruSeq3-PE											
forward		TruSeq3-PE-2											
	After trimming by FastQC report	TruSeq2-PE											
	After trimming by FastQC report After AVGQUAL	TruSeq3-PE-2 TruSeq3-PE-2											
	After MAXINFO	TruSeq3-PE-2											
	Initial	None											
	After adapter removal	NexteraPE-PE											
		TruSeq2-PE											
rse		TruSeq3-PE											
reverse	After trimming by FastQC report	TruSeq3-PE-2											
	After trimming by FastQC report	TruSeq2-PE TruSeq3-PE-2											
	After AVGQUAL	TruSeq3-PE-2											
	After MAXINFO	TruSeq3-PE-2											
	DNA3	Adaptors	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
	DNA3 Initial	None	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
	Initial	None NexteraPE-PE	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
ard		None	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
rward	Initial After adapter removal	None NexteraPE-PE TruSeq2-PE TruSeq3-PE TruSeq3-PE-2	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
forward	After adapter removal After trimming by FastQC report	None NexteraPE-PE TruSeq2-PE TruSeq3-PE TruSeq3-PE-2 TruSeq2-PE	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
forward	After adapter removal After trimming by FastQC report After trimming by FastQC report	None NexteraPE-PE TruSeq2-PE TruSeq3-PE TruSeq3-PE-2 TruSeq2-PE TruSeq3-PE-2	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
forward	After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL	None NexteraPE-PE TruSeq2-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
forward	After adapter removal After trimming by FastQC report After trimming by FastQC report	None NexteraPE-PE TruSeq2-PE TruSeq3-PE TruSeq3-PE-2 TruSeq2-PE TruSeq3-PE-2	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
forward	After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO	None NexteraPE-PE TruSeq2-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
	After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial	None NexteraPE-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq2-PE	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
	After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO	None NexteraPE-PE TruSeq2-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq3-PE TruSeq3-PE-E TruSeq3-PE-D	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
reverse forward	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal	None NexteraPE-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq3-PE TruSeq3-PE-TruSeq3-PE-PE TruSeq3-PE TruSeq3-PE-PE TruSeq3-PE	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report	None NexteraPE-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal	None NexteraPE-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq3-PE TruSeq3-PE-TruSeq3-PE-PE TruSeq3-PE TruSeq3-PE-PE TruSeq3-PE	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
	After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report	None NexteraPE-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2	PBSQ	PTSQ	PSQS	PBSC	PSGCC	PBNC	SLD	SDL	OS	AC	KC
	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO	None NexteraPE-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq3-PE TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2											
	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4	None NexteraPE-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 Adaptors	PBSQ		PSQS		PSGCC						
	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO	None NexteraPE-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None											
	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial	None NexteraPE-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 Adaptors											
reverse	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4	None NexteraPE-PE TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- TruSeq3-PE- None NexteraPE-PE None NexteraPE-PE											
reverse	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial After adapter removal	None NexteraPE-PE TruSeq2-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq3-PE- TruSeq3-PE-2 TruSeq3-PE- TruSeq3-PE-2											
	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial After adapter removal After trimming by FastQC report	None NexteraPE-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-7											
reverse	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial After adapter removal After trimming by FastQC report	None NexteraPE-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-7											
reverse	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial After adapter removal After trimming by FastQC report After MAXINFO DNA4 Initial After initial After adapter removal	None NexteraPE-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-PE TruSeq3-PE- TruSeq3-PE-2 TruSeq3-PE-7											
reverse	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial After adapter removal After trimming by FastQC report	None NexteraPE-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-7											
reverse	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial After adapter removal After trimming by FastQC report After MAXINFO After AVGQUAL After trimming by FastQC report After AVGQUAL After MAXINFO	None NexteraPE-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-7											
forward	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial After adapter removal After trimming by FastQC report After MAXINFO After AVGQUAL After trimming by FastQC report After AVGQUAL After MAXINFO	None NexteraPE-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-PE TruSeq3-PE-PE TruSeq3-PE TruSeq3-PE-2											
forward	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial After adapter removal After trimming by FastQC report After MAXINFO After AVGQUAL After MAXINFO After trimming by FastQC report After trimming by FastQC report After trimming by FastQC report After MAXINFO Initial	None NexteraPE-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-PE TruSeq3-PE-PE TruSeq3-PE-2											
reverse	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial After adapter removal After trimming by FastQC report After MAXINFO DNA4 Initial After adapter removal After AVGQUAL After MAXINFO Initial After adapter removal	None NexteraPE-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-7											
forward	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After MAXINFO DNA4 Initial After adapter removal After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal	None NexteraPE-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 None NexteraPE-PE TruSeq3-PE- TruSeq3-PE-2											
forward	Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO Initial After adapter removal After trimming by FastQC report After trimming by FastQC report After AVGQUAL After MAXINFO DNA4 Initial After adapter removal After trimming by FastQC report After MAXINFO DNA4 Initial After adapter removal After AVGQUAL After MAXINFO Initial After adapter removal	None NexteraPE-PE TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-2 TruSeq3-PE-7											