

S4 Table. The selected X-ray crystal structures of ribosomes from PDB for extracting the conformations of residue-nucleotide pairs.

PDBID	PROTEIN CHAIN	RNA CHAIN
1DK1	A	B
1FEU	AD	BCEF
1FFK	ABCDEFGHIJKLMNOPQRSTUVWXYZ1	9
1FJG	BCDEFGHIJKLMNOPQRSTV	AX
1HC8	AB	CD
1I6U	AB	CD
1JJ2	ABCDEFGHIJKLMNOPQRSTUVWXYZ12	9
1K8A	CDEFGHIJKLMNOPQRSTUVWXYZ1234	AB
1K9M	CDEFGHIJKLMNOPQRSTUVWXYZ1234	AB
1KD1	CDEFGHIJKLMNOPQRSTUVWXYZ1234	AB
1KUQ	A	B
1M90	CDEFGHIJKLMNOPQRSTUVWXYZ1234	AB5
1MJI	AB	CD
1MZP	A	B
1N32	BCDEFGHIJKLMNOPQRSTV	AYZ
1N8R	CDEFGHIJKLMNOPQRSTUVWXYZ1234	AB
1NJI	CDEFGHIJKLMNOPQRSTUVWXYZ1234	AB
1Q81	CDEFGHIJKLMNOPQRSTUVWXYZ1234	AB5
1Q82	CDEFGHIJKLMNOPQRSTUVWXYZ1234	AB5

1Q86	CDEFGHIJKLMNOPQRSTUVWXYZ1234	AB56
1QA6	AB	CD
1QVG	ABCDEFGHIJKLMNOPQRSTUVWXYZ12	9345
1S72	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
1TTT	ABC	DEF
1VQ4	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	94
1VQ5	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	94
1VQ6	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	945
1VQ7	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	94
1VQ8	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	94
1VQ9	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	94
1VQK	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	94
1VQL	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	94
1VQM	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	94
1VQN	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	945
1VQO	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	94
1VQP	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	94
1XMQ	BCDEFGHIJKLMNOPQRSTV	AWX
1YHQ	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
1YI2	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
1YIJ	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
1YIT	1238ABCDEFGHIJKLMNOPQRSTUVWXYZ	9
1YJ9	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
1YJN	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
1YJW	1234ABCDEFGHIJKLMNOPQRSTUVWXYZ	9
1ZHO	ACEG	BDFH

2HVY	ABCD	E
2OTJ	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	9
2OTL	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	9
2QA4	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
2QEX	ABCDEFGHIJKLMNOPQRSTUVWXYZ123I	9
2UUA	BCDEFGHIJKLMNOPQRSTU	AXY
2UUB	BCDEFGHIJKLMNOPQRSTU	AXY
2UXC	BCDEFGHIJKLMNOPQRSTU	AXY
2VQE	BCDEFGHIJKLMNOPQRSTU	AXY
2VQF	BCDEFGHIJKLMNOPQRSTU	AXY
2ZJR	ABCDEFGHIJKLMNOPQRSTUVWXYZ1234	XY
3CC2	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CC4	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CC7	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CCJ	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CCL	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CCM	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CCQ	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CCR	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CCS	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CCU	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CCV	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3CD6	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	94
3CMA	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	956
3CME	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	956

3CPW	ABCDEFGHIJKLMNOPQRSTUVWXYZ12	94
3CXC	ABCDEFGHIJKLMNOPQRSTUVWXYZ12	94
3DH3	ABCD	EFGH
3G6E	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3G71	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3HAX	ACD	EF
3HJW	ABC	DE
3I56	ABCDEFGHIJKLMNOPQRSTUVWXYZ123	9
3IEV	A	D
3LWO	ABC	DE
3LWP	ABC	DE
3LWQ	ABC	DE
3LWV	ABC	DE
3MQK	ABC	DE
3NVI	ABCD	EF
3OIJ	AB	CD
3OIN	AB	C
3OW2	ABCDEFGHIJKLMNOPQRSTUVWXYZ12	9
3R2C	ABJK	RS
3R2D	ABJK	RS
3R9W	A	B
3R9X	AB	C
3RTJ	AB	D
3T1Y	BCDEFGHIJKLMNOPQRSTV	AWX
3U4M	A	B
3U56	A	B

	3UMY	A	B
	3V7E	AB	CD
	4B3M	BCDEFGHIJKLMNOPQRSTV	AWZ
	4B3R	BCDEFGHIJKLMNOPQRSTV	AWZ
	4B3T	BCDEFGHIJKLMNOPQRSTV	AWZ
	4QG3	A	B
	4QVI	A	B
1VY4	1vy4-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	1vy4-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	1vy4-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	1vy4-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
1VY5	1vy5-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	1vy5-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	1vy5-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	1vy5-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
1VY6	1vy6-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	AVWX
	1vy6-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	1vy6-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	AVWX
	1vy6-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
1VY7	1vy7-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	1vy7-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	1vy7-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	1vy7-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
4LNT	4Int-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	AVWX
	4Int-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4Int-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	AVWX

4U1U	4Int-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	ABfg
	4u1u-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	A
	4u1u-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB
	4u1u-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	A
4U1V	4u1u-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
	4u1v-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	A
	4u1v-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB
	4u1v-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	A
4U20	4u1v-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
	4u20-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	A
	4u20-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
	4u20-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	A
4U24	4u20-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4u24-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	A
	4u24-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
	4u24-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	A
4U25	4u24-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4u25-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	A
	4u25-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
	4u25-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	A
4U26	4u25-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4u26-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	A
	4u26-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB
	4u26-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	A
4U27	4u26-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
	4u27-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	A

4U3M	4u27-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB
	4u27-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	A
	4u27-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
	4u3m-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcdefghi	A
	4u3m-pdb-bundle2.pdb	DEFGHIJKLMNO	ABC
	4u3m-pdb-bundle3.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcefghijklmnopqrstuvwxyz0123	d
	4u3m-pdb-bundle4.pdb	ABCDEFGHIJKLMNOPQRS	IJK
	4u3m-pdb-bundle5.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijk	
4U3U	4u3u-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcdefghi	A
	4u3u-pdb-bundle2.pdb	DEFGHIJKLMNO	ABC
	4u3u-pdb-bundle3.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcefghijklmnopqrstuvwxyz0123	d
	4u3u-pdb-bundle4.pdb	ABCDEFGHIJKLMNOPQRS	IJK
	4u3u-pdb-bundle5.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijk	
4U4Q	4u4q-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcdefghi	A
	4u4q-pdb-bundle2.pdb	DEFGHIJKLMNO	ABC
	4u4q-pdb-bundle3.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcefghijklmnopqrstuvwxyz0123	d
	4u4q-pdb-bundle4.pdb	ABCDEFGHIJKLMNOPQRS	IJK
	4u4q-pdb-bundle5.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijk	
4U4R	4u4r-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcdefghi	A
	4u4r-pdb-bundle2.pdb	DEFGHIJKLMNO	ABC
	4u4r-pdb-bundle3.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcefghijklmnopqrstuvwxyz0123	d
	4u4r-pdb-bundle4.pdb	ABCDEFGHIJKLMNOPQRS	IJK
	4u4r-pdb-bundle5.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijk	
4U4U	4u4u-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcdefghi	A
	4u4u-pdb-bundle2.pdb	DEFGHIJKLMNO	ABC
	4u4u-pdb-bundle3.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcefghijklmnopqrstuvwxyz0123	d

4U52	4u4u-pdb-bundle4.pdb	ABCDEFGHIJLMNOPQRS	IJK
	4u4u-pdb-bundle5.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijk	
	4u52-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcdefghi	A
	4u52-pdb-bundle2.pdb	DEFGHIJKLMNO	ABC
	4u52-pdb-bundle3.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcefg hijklmnopqrstuvwxyz0123	d
	4u52-pdb-bundle4.pdb	ABCDEFGHIJLMNOPQRS	IJK
4V51	4u52-pdb-bundle5.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijk	
	4v51-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUZabcdefgh	AVWXY
	4v51-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUV	AB
	4v51-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTUZabcdefgh	AVWXY
4V67	4v51-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUV	AB
	4v67-pdb-bundle1.pdb	EFGHIJKLMNOPQRSTUVWXYZ	ABCD
	4v67-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4v67-pdb-bundle3.pdb	EFGHIJKLMNOPQRSTUVWXYZ	ABCD
4V7L	4v67-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4v7l-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUZ	AVWXY
	4v7l-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
	4v7l-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTUZ	AVWXY
4V7W	4v7l-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
	4v7w-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcd	A
	4v7w-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTU	AB
	4v7w-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcd	A
4V7X	4v7w-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTU	AB
	4v7x-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcd	A
	4v7x-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTU	AB
	4v7x-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcd	A

4V7Y	4v7x-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTU	AB
	4v7y-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcd	A
	4v7y-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTU	AB
	4v7y-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcd	A
	4v7y-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTU	AB
4V88	4v88-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcdefghi	A
	4v88-pdb-bundle2.pdb	DEFGHIJKLMNOP	ABC
	4v88-pdb-bundle3.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcefghijklmnopqrstuvwxyz01	d
	4v88-pdb-bundle4.pdb	ABCDEFGHIJNOPQRS	KLM
	4v88-pdb-bundle5.pdb	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklm	
4V8B	4v8b-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	4v8b-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcd	AB
	4v8b-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	4v8b-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcd	AB
4V8D	4v8d-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	4v8d-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcd	AB
	4v8d-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	4v8d-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcd	AB
4V8G	4v8g-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUV	A
	4v8g-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4v8g-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTUV	A
	4v8g-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
4V8I	4v8i-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUV	A
	4v8i-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4v8i-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTUV	A
	4v8i-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB

4V90	4v90-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcdefgh	AVW
	4v90-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZVWX	AB
4V9D	4v9d-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcdefgh	AVWY
	4v9d-pdb-bundle2.pdb	ABCDEFGHIJKLNPQRSTUVWXYZabcdefghijlmn	LMNO
	4v9d-pdb-bundle3.pdb	ABCDGHIJKLMNOPQRSTUVWXYZabcdefghi	EF
4V9F	4v9f-pdb-bundle1.pdb	ABCDEFGHIJKLMNPQRSTUVWXYZVWX	9
	4v9f-pdb-bundle2.pdb	YZ123456	
4V9H	4v9h-pdb-bundle1.pdb	DEFGHIJKLMNOPQRSTUVWXYZVWX	ABC
	4v9h-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefgh	AB
	4v9o-pdb-bundle1.pdb	BDEFGHIJKLMNOPQRSTUVWXYZabcdefgh	AC
4V9O	4v9o-pdb-bundle2.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZ	AW
	4v9o-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcde	A
	4v9o-pdb-bundle4.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZVW	A
	4v9o-pdb-bundle5.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
	4v9o-pdb-bundle6.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZVW	AX
	4v9o-pdb-bundle7.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZabcd	A
	4v9o-pdb-bundle8.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZVW	A
	4V9P	4v9p-pdb-bundle1.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef
4v9p-pdb-bundle2.pdb		BCDEFGHIJKLMNOPQRSTUVWXYZVW	A
4v9p-pdb-bundle3.pdb		CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
4v9p-pdb-bundle4.pdb		BCDEFGHIJKLMNOPQRSTUVWXYZVW	A
4v9p-pdb-bundle5.pdb		CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
4v9p-pdb-bundle6.pdb		BCDEFGHIJKLMNOPQRSTUVWXYZVW	A
4v9p-pdb-bundle7.pdb		CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
4v9p-pdb-bundle8.pdb		BCDEFGHIJKLMNOPQRSTUVWXYZ	A
4V9R	4v9r-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUVWXYZ	AVW

4W2E	4v9r-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4v9r-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTUX	AVWV
	4v9r-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4w2e-pdb-bundle1.pdb	DEFGHIJKLMNOPQRSTUVWXYZ0123456789	ABx
4W2F	4w2e-pdb-bundle2.pdb	bcdefghijklmnopqrstuy	awv
	4w2f-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	4w2f-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4w2f-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
4W2G	4w2f-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4w2g-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	4w2g-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4w2g-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
4W2H	4w2g-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4w2h-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	AVWX
	4w2h-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4w2h-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	AVWX
4W2I	4w2h-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4w2i-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	4w2i-pdb-bundle2.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4w2i-pdb-bundle3.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
4WPO	4w2i-pdb-bundle4.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4wpo-pdb-bundle1.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB
	4wpo-pdb-bundle2.pdb	BCDEFGHIJKLMNOPQRSTUZ	AVWXY
	4wpo-pdb-bundle3.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB
4WQF	4wpo-pdb-bundle4.pdb	BCDEFGHIJKLMNOPQRSTUZ	AVWXY
	4wqf-pdb-bundle1.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB

4WQU	4wqf-pdb-bundle2.pdb	BCDEFGHIJKLMNOPQRSTUY	AVWX
	4wqf-pdb-bundle3.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB
	4wqf-pdb-bundle4.pdb	BCDEFGHIJKLMNOPQRSTUY	AVWX
	4wqu-pdb-bundle1.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB
	4wqu-pdb-bundle2.pdb	BCDEFGHIJKLMNOPQRSTUYZ	AVWX
	4wqu-pdb-bundle3.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB
	4wqu-pdb-bundle4.pdb	BCDEFGHIJKLMNOPQRSTUYZ	AVWX
	4wqy-pdb-bundle1.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB
4WQY	4wqy-pdb-bundle2.pdb	BCDEFGHIJKLMNOPQRSTUX	AVW
	4wqy-pdb-bundle3.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdefg	AB
	4wqy-pdb-bundle4.pdb	BCDEFGHIJKLMNOPQRSTUX	AVW
	4y4o-pdb-bundle1.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
4Y4O	4y4o-pdb-bundle2.pdb	BCDEFGHIJKLMNOPQRSTUV	A
	4y4o-pdb-bundle3.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4y4o-pdb-bundle4.pdb	BCDEFGHIJKLMNOPQRSTUV	A
	4y4p-pdb-bundle1.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
4Y4P	4y4p-pdb-bundle2.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	4y4p-pdb-bundle3.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4y4p-pdb-bundle4.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
4YBB	4ybb-pdb-bundle1.pdb	BCDEFGHIJKLMNOPQRSTUWXYZabcdefgh	AV
	4ybb-pdb-bundle2.pdb	ABCDEFGHIJKLMNQRSTUWXYZabcdefghijklm	IJ
	4ybb-pdb-bundle3.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcdef	AB
4Z3Q	4z3q-pdb-bundle1.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4z3q-pdb-bundle2.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	4z3q-pdb-bundle3.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4z3q-pdb-bundle4.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY

4Z3S	4z3s-pdb-bundle1.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4z3s-pdb-bundle2.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
	4z3s-pdb-bundle3.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4z3s-pdb-bundle4.pdb	BCDEFGHIJKLMNOPQRSTU	AVWXY
4Z8C	4z8c-pdb-bundle1.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4z8c-pdb-bundle2.pdb	BCDEFGHIJKLMNOPQRSTUX	AVW
	4z8c-pdb-bundle3.pdb	CDEFGHIJKLMNOPQRSTUVWXYZabcde	AB
	4z8c-pdb-bundle4.pdb	BCDEFGHIJKLMNOPQRSTUX	AVW