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MKD8	MTTPPGPE--	-----LPPPH	OGGF-----	-----	-----YSAG	HHPORPWPET	PP-PKTRGG
Rabinowitchi	MTLPPPPNTP	PPNGASPPPP	FGGS-----	-----	-----GPYP	QSLHQPWPOQ	PS-PRRSGT
mc2155	MTLPPPPGSF	G-----OQPP	LGGHSGGGSP	ESWPOYPGGP	TSPPPAAGPPP	WGPOQOWANG	PTPPNNGGK
Jucho	MTLPPPPGSF	G-----OQPP	LGGHSGGGSP	ESWPOYPGGP	TSPPPAAGPPP	WGPOQOWANG	PTPPNNGGK
Nishi	-----	-----	-----	-----	-----	-----	-----

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MKD8	VKWMIGAVAL	LAVVGVTVAV	TLA--VTGKD	KRDAIPPGSG	VSGSPTASDI	A SADDSGPV	SVITEDPTCA
Rabinowitchi	WKVWLAIIVAL	LAVVGVTAAV	TVT--VTGEP	TGGGLPSAST	POAVPSDSEI	A SAEDSGGV	SVITDDPTCA
mc2155	VRWMLGGLAV	V--LAIALAV	VVTVLVVRPD	AENG---SKD	EKTGGPASGF	A SENDDGPV	SIITDDPTCD
Jucho	VRWMLGGLAV	V--LAIALAV	VVTVLVVRPD	AENG---SKD	EKTGGPASGF	A SENDDGPV	SIITDDPTCD
Nishi	MNLPPIRVSV	TLAIALAVAV	AVAVLVVRSV	GEDR-----	-----PSESAY	A SAGDTDPV	NLITEEPTCA

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MKD8	AQGPILETFA	AQQ-SQLWVE	RDPALGRESW	SPELRADYEK	VG KAMRTAA	DQVAQLAKIT	PHRAMRELYE
Rabinowitchi	PQRPIVSTLA	AKT-NAGWDK	RDPPEVPASDW	TPEIRAQYNE	VA AAMRDAA	DQFVQLAKLT	PHRVMREIYE
mc2155	GWARITREYN	AESTAVRWAE	RDASIPANAW	TPEQRDMYNT	MA KAMTTAA	DHTEALIKQT	PHRAMRELYQ
Jucho	GWARITREYN	AESTAVRWAE	RDASIPANAW	TPEQRDMYNT	MA KAMTTAA	DHTEALIKQT	PHRAMRELYQ
Nishi	PWMSVVEEFT	REAAAVNWQG	RRADVPAASAW	TPAERATYDT	VG KAMARMA	DRAPKFAQOT	PHRVMREPYE

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MKD8	QFIAYARAYA	DNIPNYTPPT	DNLARVAVTA	ADA ISYICA	AVSYGSAAAR	APLVENRPAP	TNVAPLGNPS
Rabinowitchi	QFIAYARAYA	ASVPNYTPGD	DYSARFAVGA	AEA ISRICA	AIDYGSAGAR	APLVKVVSEPP	AEIAPVGDAN
mc2155	QFSAYVHVVF	PLIPAYVPEN	NRFPVPINAL	ANS ATDICT	AIEFRSASTF	AGRIPSVDP	SRLASTSGAD
Jucho	QFSAYVHVVF	PLIPAYVPEN	NRFPVPINAL	ANS ATDICT	AIEFRSASTF	AGRIPSVDP	SRLASTSGAD
Nishi	QMVAYTRAFV	DRIPTVVPED	NKLLSASSAA	GSS ISNICG	AIAYGTARDV	TPLLAAPVP	ADPVTPOEYS

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MKD8	EPERFLTAPN	PVCGEWSSVL	NAFQ TDTTE	WLKTDPDISS	SQWSIEQKQI	NENVIPIMKR	FANQLYLLGK
Rabinowitchi	APVRFSLSEP	AVCRDWNLAL	MQFQ DETAE	WRNTDPKIPA	GEWTPEQKRL	NVEVAPVMRR	FATQLRSLGN
mc2155	ASDLFLGDGN	PVCADLASAV	VAFD EQTRA	WQALDPKLLPA	AEWSPDHRVAV	MDDVAPVMSA	NADNLERLGR
Jucho	ASDLFLGDGN	PVCADLASAV	VAFD EQTRA	WQALDPKLLPA	AEWSPDHRVAV	MDDVAPVMSA	NADNLERLGR
Nishi	EPETLVTSQN	PACPDWSAEA	DEFS AKSAD	WLATSKRVPVA	AEWTPQOKAV	HETVAPMMAA	NADKLEQLGR

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MKD8	DSGNPTFRDI	ADLSV QYRL	AYVAAIPTYT	PADKYLANS	IRLATMANVA	CRAAAD
Rabinowitchi	SSGNPVLADF	ANLSA QYRS	ALEKALPTYV	PADDYLAGVS	ARLNGMVNSA	CQAVSA
mc2155	ASDNAIVEDF	TVLAA QYQR	GYVEAIPYYS	SADNVLWQVV	ASLVKAVNSG	CKAS--
Jucho	ASDNAIVEDF	TVLAA QYQR	GYVEAIPYYS	SADNVLWQVV	ASLVKAVNSG	CKAS--
Nishi	QSGDPVLEDV	AALQR STDG	PSSSHCPTTR	A-PTGCWRPR	RRNW----SG	-----