

CLUSTAL O(1.2.4) multiple sequence alignment

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rh46      MAADGYLPDWLEDNLSEGIREWWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
rh2       MAADGYLPDWLEDNLSEGIREWWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
rh4       MAADGYLPDWLEDNLSEGIREWWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
rh14      MAADGHLPDWLEDNLSEGIREWWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
rh24      MAADGYLPDWLEDNLSEGIREWWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
rh12      MAADGYLPDWLEDNLSEGIREWWDLRPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
rh18      MAADGYLPDWLEDNLSEGIREWWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
bb2       MAADGYLPDWLEDNLSEGIREWWALKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
bb1       MAADGYLPDWLEDNLSEGIREWWALKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
rh25      MAADGYLPDWLEDNLSEGIREWWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
rh20      MAADGYLPDWLEDNLSEGIREWWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
rh9       MAADGYLPDWLEDNLSEGIREWWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
rh10      MAADGYLPDWLEDNLSEGIREWWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
rh11      MAADGYLPDWLEDNLSEGIREWWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLD      60
          *****:***** *:*****

rh46      KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
rh2       KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
rh4       KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
rh14      KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
rh24      KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
rh12      KGEPVNEADAAALEHDKAYDKQLEQGDNPYLKYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
rh18      KGEPVNEADAAALEHDKAYDKQLEQGDNPYLKYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
bb2       KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
bb1       KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
rh25      KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
rh20      KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
rh9       KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
rh10      KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
rh11      KGEPVNAADAAALEHDKAYDQQLKAGDNPYLRYNHADAEFQERLQEDTSFGGNLGRAVFQ      120
          *****:*****:*****:*****

rh46      AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKKGQQPARKRLNFGQTGDS      180
rh2       AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKKGHQPARKRLNFGQTGDS      180
rh4       AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKKGHQPARKRLNFGQTGDS      180
rh14      AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKKGQQPAKKRLNFGQTGDS      175
rh24      AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKKGQQPAKKRLNFGQTGDS      175
rh12      AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKKGQQPAKKRLNFGQTGDS      175
rh18      AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKTGQQPAKKRLNFGQTGDS      180
bb2       AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKKGQQPAKKRLNFGQTGDS      180
bb1       AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKKGQQPAKKRLNFGQTGDS      180
rh25      AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKTGQQPAKKRLNFGQTGDS      180
rh20      AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKTGQQPAKKRLNFGQTGDS      180
rh9       AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKKGQQPAKKRLNFGQTGDS      180
rh10      AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKKGQQPAKKRLNFGQTGDS      180
rh11      AKKRVLEPLGLVEEGAKTAPGKKRPVEPSPQRSPTSSTGIGKKGQQPAKKRLNFGQTGDS      180
          *****:*****:*****:*****

rh46      ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDRV      240
rh2       ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDRV      240
rh4       ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDRV      240
rh14      ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDRV      235
rh24      ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDRV      235
rh12      ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDRV      235
rh18      ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDRV      240
bb2       ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDGV      240
bb1       ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDRV      240
rh25      ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDRV      240
rh20      ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDRV      240
rh9       ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVGSSSGNWHCDSTWLGDRV      240

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rh10	ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVSSSGNWHCDSTWLGD	240
rh11	ESVPDPQPIGEPPAGPSGLSGTMAAGGGAPMADNNEGADGVSSSGNWHCDSTWLGD *****.***:***** *	240
rh46	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	300
rh2	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	300
rh4	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	300
rh14	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	295
rh24	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	295
rh12	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	295
rh18	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	300
bb2	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	300
bb1	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	300
rh25	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	300
rh20	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	300
rh9	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	300
rh10	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS	300
rh11	ITTSTRTWALPTYNNHLYKQISNGTSGGSTNDNTYFGYSTPWGYFDFNRFHCHFS *****	300
rh46	RLINNWWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	360
rh2	RLINNWWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	360
rh4	RLINNWWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	360
rh14	RLINNSWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	355
rh24	RLINNWWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	355
rh12	RLINNWWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	355
rh18	RLINNWWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	360
bb2	RLINNWWGFRPKSLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	360
bb1	RLINNWWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	360
rh25	RLINNWWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	360
rh20	RLINNWWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	360
rh9	RLINNWWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	360
rh10	RLINNWWGFRPKRLNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL	360
rh11	RLINNWWGFRPKRPNFKLFNIQVKEVTQNEGKTIANNLSTIQVFTDSEYQLPYVL *****.*****.***** **	360
rh46	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	420
rh2	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	420
rh4	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	420
rh14	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	415
rh24	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	415
rh12	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	415
rh18	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	420
bb2	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	420
bb1	RQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	420
rh25	HQGCPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMRRTGNNF	420
rh20	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	420
rh9	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	420
rh10	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF	420
rh11	HQGCLPPFPADVFMIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNNF :*** *****.*** **	420
rh46	VPFHSSYAHSQSLDRLMNPLIDQYLYLSRTQSTGGTAGTQQLLFSQAGPSN	480
rh2	VPFHSSYAHSQSLDRLMNPLIDQYLYLSRTQSTGGTAGTQQLLFSQAGPAN	480
rh4	VPFHSSYAHSQSLDRLMNPLIDQYLYLSRTQSTGGTAGTQQLLFSQAGPAN	480
rh14	VPFHSSYAHSQSLDRLMNPLIDQYLYLSRTQSTGGTAGTQQLLFSQAGPNN	475
rh24	VPFHSSYAHSQSLDRLMNPLIDQYLYLSRTQSTGGTAGTQQLLFSQAGPNN	475
rh12	VPFHSSYAHSQSLDRLMNPLIDQYLYLSRTQSTGGTAGTQQLLFSQAGPNN	475
rh18	VPFHSSYAHSQSLDRLMNPLIDQYLYLSRTQSTGGTAGTQQLLFSQAGPNN	480
bb2	VPFHSSYAHSQSLDRLMNPLIDQYLYLSRTQSTGGTAGTQQLLFSQAGPNN	480
bb1	VPFHSSYAHSQSLDRLMNPLIDQYLYLSRTQSTGGTAGTQQLLFSQAGPNN	480
rh25	VPFHSSYAHSQSLDRLMNPLIDQYLYLSRTQSTGGTAGTQQLLFSQAGPNN	480
rh20	VPFHSSYAHSQSLDRLMNPLIDQYLYLSRTQSTGGTAGTQQLLFSQAGPNN	480

rh9	VFFHSSYAHSQSLDRLMNLPLIDQYLYYLSRTQSTGGTAGTQQLLFSQAGPNNMSAQAKNW	480
rh10	VFFHSSYAHSQSLDRLMNLPLIDQYLYYLSRTQSTGGTAGTQQLLFSQAGPNNMSAQAKNW	480
rh11	VFFHSSYAHSQSLDRLMNLPLIDQYLYYLSRTQSTGGTAGTQQLLFSQAGPNNMSAQAKNW *****	480
rh46	LPGPCYRQQRVSTTSLSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATNKDDEDRFFPSS	540
rh2	LPGPCYRQQRVSTTSLSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKDDEERFFPSS	540
rh4	LPGPCYRQQRVSTTSLSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKDDEERFFPSS	540
rh14	LPGPCYRQQRVSTTSLSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKDDEERFFPSS	535
rh24	LPGPCYRQQRVSTTVSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKGDEERFFPSS	535
rh12	LPGPCYRQQRVSTTVSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKGDEERFFPSS	535
rh18	LPGPCYRQQRVSTTSLSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKDDEERFFPSS	540
bb2	LPGPCYRQQRVSTTSLSQNDNSNFAWTGATKYHLNGRDSLVPNGVAMATHKDDEERFFPSS	540
bb1	LPGPCYRQQRVSTTSLSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKDDEERFFPSS	540
rh25	LPGPCYRQQRVSTTSLSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKDDEERFFPSS	540
rh20	LPGPCYRQQRVSTTSLSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKDDEERFFPSS	540
rh9	LPGPCYRQQRVSTTSLSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKDDEERFFPSS	540
rh10	LPGPCYRQQRVSTTSLSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKDDEERFFPSS	540
rh11	LPGPCYRQQRVSTTSLSQNNNSNFAWTGATKYHLNGRDSLVPNGVAMATHKDDEERFFPSS *****	540
rh46	GILMFGKQGAGKDNVDYSNVMLTSEEEIKATNPVATEQYGVVADNLQQQNTAPIVGAVNS	600
rh2	GVL MFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQTNGAPIVGTVNS	600
rh4	GILMFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQTNGAPIVGTVNS	600
rh14	GVL MFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQNAAPIVGAVNS	595
rh24	GVL MFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQNAAPIVGAVNS	595
rh12	GVL MFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQNAAPIVGAVNS	595
rh18	GVL MFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQNAAPIVGAVNS	600
bb2	GVL MFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQNAAPIVGAVNS	600
bb1	GVL MFGKQGAGKGNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQNAAPIVGAVNS	600
rh25	GVL MFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQNAAPIVGAVNS	600
rh20	GVL MFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQNAAPIVGAVNS	600
rh9	GVL MFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQNAAPIVGAVNS	600
rh10	GVL MFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQNAAPIVGAVNS	600
rh11	GVL MFGKQGAGKDNVDYSSVMLTSEEEIKTNPVATEQYGVVADNLQQQNAAPIVGAVNS * : ***** . ***** : ***** : ***** * ***** : *****	600
rh46	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP	660
rh2	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILVKNTPVPADP	660
rh4	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILVKNTPVPADP	660
rh14	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP	655
rh24	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP	655
rh12	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP	655
rh18	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP	660
bb2	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP	660
bb1	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP	660
rh25	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP	660
rh20	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP	660
rh9	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP	660
rh10	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP	660
rh11	QGALPGMVWQNRDVYLQGPWAKI PHTDGNFHPSPLMGGFGLKHPPPQILIKNTVPVADP ***** : *****	660
rh46	PTAFNQAKLNSFITQYSTGQVSVEIEWELQKENS KRWNPEIQYTSNYYKSTNVDFAVNTE	720
rh2	PTTFSQAKLASFITQYSTGQVSVEIEWELQKENS KRWNPEIQYTSNYYKSTNVDFAVNTE	720
rh4	PTTFSQAKLASFITQYSTGQVSVEIEWELQKENS KRWNPEIQYTSNYYKSTNVDFAVNTE	720
rh14	PTTFSQAKLASFITQYSTGQVSVEIEWELQKENS KRWNPEIQYTSNYYKSTNVDFAVNTE	715
rh24	PTTFSQAKLASFITQYSTGQVSVEIEWELQKENS KRWNPEIQYTSNYYKSTNVDFAVNTE	715
rh12	PTTFSQAKLASFITQYSTGQVSVEIEWELQKENS KRWNPEIQYTSNYYKSTNVDFAVNTE	715
rh18	PTTFSQAKLASFITQYSTGQVSVEIEWELQKENS KRWNPEIQYTSNYYKSTNVDFAVNTE	720
bb2	PTTFSQAKLASFITQYSTGQVSVEIEWELQKENS KRWNPEIQYTSNYYKSTNVDFAVNTD	720
bb1	PTTFSQAKLASFITQYSTGQVSVEIEWELQKENS KRWNPEIQYTSNYYKSTNVDFAVNTD	720
rh25	PTTFSQAKLASFITQYSTGQVSVEIEWELQKENS KRWNPEIQYTSNYYKSTNVDFAVNTE	720

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rh20      PTTFSQAKLASFITQYSTGQVSVEIEWELQKENSkrwnPEIQYTSNYYKSTNVDFAVNTE      720
rh9       PTTFSQAKLASFITQYSTGQVSVEIEWELQKENSkrwnPEIQYTSNYYKSTNVDFAVNTD     720
rh10      PTTFSQAKLASFITQYSTGQVSVEIEWELQKENSkrwnPEIQYTSNYYKSTNVDFAVNTD     720
rh11      PTTFSQAKLASFITQYSTGQVSVEIEWELQKENSkrwnPEIQYTSNYYKSTNVDFAVNTD     720
          **:*.*****
          GYSEPRPIGTRYLTRNL      738
rh46      GYSEPRPIGTRYLTRNL      738
rh2       GYSEPRPIGTRYLTRNL      738
rh4       GYSEPRPIGTRYLTRNL      738
rh14      GYSEPRPIGTRYLTRNL      733
rh24      GYSEPRPIGTRYLTRSL      733
rh12      GYSEPRPIGTRYLTRNL      733
rh18      GYSEPRPIGTRYLTRNL      738
bb2       GYSEPRPIGTRYLTRNL      738
bb1       GYSEPRPIGTRYLTRNL      738
rh25      GYSEPRPIGTRYLTRNL      738
rh20      GYSEPRPIGTRYLTRNL      738
rh9       GYSEPRPIGTRYLTRNL      738
rh10      GYSEPRPIGTRYLTRNL      738
rh11      GYSEPRPIGTRYLTRNL      738
          *.*****.

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IDENTITY RESULTS

rh46	100%														
rh2	96.88%	100%													
rh4	97.01%	99.86%	100%												
rh14	96.86%	98.09%	98.22%	100%											
rh24	96.72%	97.95%	98.09%	99.31%	100%										
rh12	96.18%	97.4%	97.54%	98.49%	98.9%	100%									
rh18	96.61%	97.83%	97.96%	98.63%	98.49%	99.31%	100%								
bb2	96.74%	97.96%	98.1%	98.77%	98.63%	98.09%	98.5%	100%							
bb1	96.74%	97.96%	98.1%	98.77%	98.63%	98.09%	98.5%	99.18%	100%						
rh25	97.01%	98.23%	98.37%	99.04%	98.9%	98.36%	99.05%	98.91%	98.91%	100%					
rh20	97.28%	98.5%	98.64%	99.31%	99.18%	98.63%	99.32%	99.18%	99.18%	99.72%	100%				
rh9	97.28%	98.5%	98.64%	99.31%	99.18%	98.63%	99.05%	99.45%	99.45%	99.45%	99.72%	100%			
rh10	97.28%	98.5%	98.64%	99.31%	99.18%	98.63%	99.05%	99.45%	99.45%	99.45%	99.72%	100%	100%		
rh11	97.15%	98.37%	98.5%	99.18%	99.04%	98.49%	98.91%	99.32%	99.32%	99.32%	99.59%	99.86%	99.86%	100%	
rh46	rh2	rh4	rh14	rh24	rh12	rh18	bb2	bb1	rh25	rh20	rh9	rh10	rh11		

IDENTITY STATS

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min      = 96.18
max      = 100
mean     = 98.5608791208792
stddev   = 0.875006622708561

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