

File s1

>CSMATE1

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File s1

GKGA

>CSMATE2

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>CSMATE3

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File s1

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File s1

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File s1

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File s1

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File s1

>CsmATE12

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File s1

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File s1

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>CSMATE18

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File s1

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File s1

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>CSMATE21

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>CSMATE22

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File s1

>CsmATE23

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KEMTPFLCFT
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>CsmATE24

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PQISR VAGEFSIWLIPALFSHAILQPLIRYFQSQYLIFPLLATSV
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>CsmATE25

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File s1

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AILLSGLLPN

PQLETSVLSICLVSSLHYFIPYSFSAGASTRVSNELGAGNPEAA
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>CsmATE27

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VLCFHVPVCW

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VSNELGAGNP

File s1

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>Csmate28

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ELGAGNPQGA

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>Csmate29

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>Csmate30

File s1

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LSSVAALLFH

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>Csmate31

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FSICLNIYGW

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>Csmate32

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ILHIPLSWLL

File s1

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File s1

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File s1

>CsmATE37

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>CsmATE38

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>CsmATE39

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File s1

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File s1

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File s1

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>Csmate44

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VAVFVVVIMA

LSEAIISGTIFVCGNVYGYTFSSEKEVIVYVTDMAPLICLSIIM
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>Csmate45

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>Csmate46

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File s1

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>Csmate47

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HLSAL

>Csmate48

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File s1

>CSMATE49

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LVLLSGLLPN
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>CSMATE50

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PALNIMGVKS
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LAGDITNIVLDPIFIFVHLGVSGAAIAHVLSQYLISVVLFWRLV
QQVVLIPPSR
KHLQFARFLKNGFLLLMRVISVTFCVTLAASMAAHQGPVPMAAFQ
VCLQVWLATSLADGLAVAGQAILASAFARKDFDSTTATASRVLQ
LGLVLGLVLA
IILGVGLPFAGRIFTKDGDVLHLIRVATPFVAATQPINALAFVFD
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>CSMATE51

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ARVKRHIPSA

File s1

STALVMGAVLGILQTIFLISLARPLLGIMGVRS DSPMLEPAKRYL
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ILIFVCHMGV

SGAAIAHVLSQYLILVILFWKLTKQVYLLPPSLKSLQFSRFLKNG
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ADGLAVAGQA

IIACAFAERDYKKATSAASRVLQMAFVLGLGLSLVVGLGLQFGSV
VFTKDKHVLHLITLGVPFVAATQPINSLAFVFDGVNYGVSDFAYS
AYSMVLVALL

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LRGL

>Csmate52

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VKDVADDIILDNLEEGGSVMNIETKEVKDVLTT SACETDASESQN
GDCPELNKTQ

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LAKPLLGIMGVGS DSPLLKSAKRYLR L RSLGAPAVLLSLAMQGVF
RGFKDTTTP

YATVAGDLANIVLDPILIFVGR LGVGGAAIAHVLSQYLIVVILFC
KLLKQVHLIPPSIKSLQFN RFLKNGFYLLGRVIAATTSCVTLAASL
AARLGTTPMA

AFQVCLQVWMTSSLLADALAVAGQAI IACAFAEKDYLKATSAASR
VLQMAFVLGLGLSLIVGLGLQFGSVAFSNDKHVLHLITIGVPFVA
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>Csmate53

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VGPLLRLAVP

File s1

SCIGICLEWWYEIVTVLAGYLPNPRLAVAATGILIQTTSLMYTV
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TSIFRDKWAG

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>CsmATE54

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VPNAPIEKRQ

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VLDPILIFFC

HMGVSGAAVAHVLSQYLILAILFCKLIKQVHLLPPSIKSMQLGVY
LLGRVIAATFCVTLATSLAARLGTTDMAAFQICLQVWMTSSLLSD
GLAVAGQAI

ACAFAEKDYQKAASAASRVLQMSIVLGLGLSLVVGLGMQYGSVVF
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EI

>CsmATE55

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VAGQVLALLVIFSKSNPRIYEVKGIMSNMEGLRYSCYRLSLLVHL
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File s1

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VVGLGLQYGS

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FLRSL

>CsmATE56

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VAPSAYISTV

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>CsmATE57

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File s1

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>CsmATE58

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>CsmATE59

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LLIRNIWGCA

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S

>CsmATE60

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>CsmATE61

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File s1

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VDIVPKISVY
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WHLNKRAVLL
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File s1

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>CSMATE64

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>CSMATE65

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FLRDGLKLDEVGWEIVSIALPAALALAADPLTSLIDTAFVGHLGS
VELAAVGVSASVFNLVSKLFNVPLLNVTTAFFVAEEQAFITKGCDH
SIGSDQKGLQ

DKKVLPSVSTSLVLAATIGVAEVALSVGSSFLMNTMGIPFDSPM
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LLNALLDPIL

IFLLGLGIGGAAISTVISEYLI AFILLWNLNDKVSLISPKEATK
VFQYLKSGGFLIGRTVAVLVTMTVATSMVARDGPVPVAGYQICLE
VWLALSLLND

ALAIAGQLGITAGVSLTVFLLLGFGAITIFFTNDKVL E IARSGT
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>CSMATE66

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File s1

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ASSFAKGDYN
RVREITYISIKAGLFTGILLAIILSLSFGSLATLFTKDVEVLNIV
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CGLFVNPRTTVASMG NLMQTTSLIYIFPSSLI FSVSTRVGNKLG A
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File s1

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>CSMATE72

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>CSMATE73

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TVILGLYAMY

SSKSAETRVPPFSMEVFSTIKEFFQIGIPSALMICLEWWAYEVIIIF
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FSLRYILGRAFISDNQMEQLQEEPDGSVLRLMLV

>CSMATE74

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File s1

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File s1

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SQVIAAYMMV
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GANQNLSKAR

File s1

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LQEEP DG SVL

File s1

RLMFV

>CsmATE87

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>CsmATE88

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File s1

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>CsmATE89

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>CsmATE90

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>CsmATE91

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HPFLDCA