Sulfur TM3 Important Residues

>Q7TRE5

--------------SHSGCMTQLFFFCFFVFSESFILSAMAYDRYVA--------------

>Q7TRE6

---------------HSGCMTQLFFFCFFVVSESFILSAMAYDRYVA--------------

>Q8VF63

--------------SHAECMTQLFFFCFFVIDECYILTAMAYDRYAA--------------

>Q9EQA5

--------------SHAECMTQLFFFCFFVIDECYILTAMAYDRYAA--------------

>Q9EQA6

--------------SHAECMTQLFFFAFFVIDECYILTAMAYDRYAA--------------

>Q8VG90

--------------SHAECMTQLFFFAFFVIDECCILTAMAYDRYAA--------------

>Q8VF64

--------------SHAECMTQHFFFCFFVIDECYILTAVAYDRYAA--------------

>Q8VG50

-----------------GCMTQLYFYCFFVSAECYVLTVMAYDRYVA--------------

>Q8VG76

-----------------GCMTQLYFFCFFVISECYVLTAMAYDRYVA--------------

>Q8VG53

-----------------ECMSQLYFFCFFVISECYVLTSMAYDRY----------------

>Q9EQB2

--------------SFRGCMTQLFFFCVFINAESYVLTAMAYDRYVA--------------

>Q8VF78

-----------------ECMTQLYFFLAFVISECHMLAAMAYDRYVA--------------

>Q8VFN3

-----------------ECMTQLYFFVTFAIAECHMLAVMAYDRYVA--------------

>Q8VG89

-----------------ECMTQLYFFVTFAIAECHMLAVMAYDRYVA--------------

>Q8VFN5

---------------YPECMTQLYCFLVFAIAECHMLAVMAYDRYVA--------------

>Q9EQ96

---------------YPECMTQLYFFSLFAIAECHMLAVMAYDRYVA--------------

>Q8VFD7

--------------LYPECIAQFYFFCTFVVAKCHMLAAMAYDRYVA--------------

>Q9EQ97

--------------LYPECIAQFYFFCTFVVAECHMLAAMAYDRYVA--------------

>Q9EQ93

---------------YPQCIAQFYFFCAFAVSECHMLAAMAYDRYVA--------------

>Q9EQ98

-----------------ECMTQLYFFLLLAISEGYLLTAMAYDRYVA--------------

>Q9EQ99

--------------TYSECMAQFFFFAVFVVTEGYLLTVMAYDHYVA--------------

>Q9EQA0

--------------VYSECMAQLFFFVIFVVAEGYLLTAMAYDRYVA--------------

>Q9EQ90

---------------YSGCMAQLYFFLIFGIAECYTLAAMAYDRYVA--------------

>Q9EQ91

---------------YSGCMVQLYFFFIFGIAECYTLAAMAYDRYVA--------------

>Q9EQ92

---------------YPGCMAQLYFFITFGIAECYTLAAMAYDRYVA--------------

>Q9EQB6

---------------YPECLAQLYFAIIFGTAESYTLAAMAYDRYVA--------------

>Q8VFU6

--------------SFAGCVAQLFLFALFIVAEGFLLAAMAYDRFIA--------------

>Q8VFR3

--------------SFLGCIMQFFFFCTFVVTELILFAVMAYDRFVA--------------

>Q920P2

--------------SFVGCLVQFFFFCTFVVTESFLLGVMAYDRFVA--------------

>Q7TRH4

-----------------GCFCQLFFYIFLGATEFFFLATMSYDRYIA--------------

>Q8VFU0

-----------------GCVCQLFFYIFLGATEFFFLATMSYDRYIA--------------

>Q7TRH5

-----------------ACVAQLFFFIFLGSTEFFLLASMSYDRYVA--------------

>Q8VEX8

-----------------ACAAQLFFFIFLGSTEFFLLASMSYDRYVA--------------

>Q8K501

-----------------ACATQLFFVVLFGATEFFLLAAMSYDRYVA--------------

>Q8VGJ0

-----------------ACASQIFFVILFGATEFFLLAAMSYDRYVA--------------

>Q8VF26

-----------------ACASQIFFVGLFGATEFFLLAAMSYDRYVA--------------

>Q8VGC4

-----------------ACATQLFFVIVLGVTEFFLLTAMSYDRYVA--------------

>Q7TRH7

------------------CATQLFFYLLLGVTEFYLLAAMSYDRYVA--------------

>Q7TRI2

------------------CAAQLFFILLLGVTEFYLLAAMSYDRYVA--------------

>Q7TRH8

--------------SYNSCMAQVFFFILLGSTEFFLLTAMSYDRYVA--------------

>Q8VGI8

--------------SYNACMAQVFFLIFLGATEFFLLAAMSYDRYVA--------------

>Q8VFH8

--------------SFNNCIAQLFFLILFGVTEFYLLAAMSYDRYIA--------------

>Q8VGJ2

--------------SFNNCIAQLFFFILLGVTEFYLLAAMSYDRYVA--------------

>Q8VGJ3

--------------SYNGCVAQLFFFIFLGVTEFYLLAAMSYDRYVA--------------

>Q8VFI3

--------------SYNNCFAQLFFFIFMGVTEFFLLTAMSYDRYVA--------------

>Q8VG45

--------------SYNECAAQLFFTILLGATEFFLLAAMSYDRYVA--------------

>Q7TRH9

------------------CLAQEFFFILLGATEFFLLTAMSYDRYVA--------------

>Q7TRI3

-----------------NCLAQLYFFLSLGVSEFFLLTAMSYDRYVA--------------

>Q7TRI4

-----------------NCLTQLYFFLSLGVSEFFLLTAMSYDRYVA--------------

>Q7TRI5

-----------------NCLAQLFFFISMGVSEFFLLTAMSYDRYVA--------------

>Q8VFI0

-----------------NCAAQLFFFIFMGVCEFYILTAMSYDRYVA--------------

>Q8VG46

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>Q8VEU0

------------------CATQLFFTDLFGVTEFFLLAIMSYDRYVA--------------

>Q8VFH3

--------------TYNNCVIQIFCTDLFGVTEFFLLAIMSYDRYVA--------------

>Q8VFH7

--------------TYNNCAIQIFCVDLFGVTEFFLLAIMSYDRYVA--------------

>Q8VGC5

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>Q8VG33

--------------SFAGCFAQYFFAIFLGATEFYLLAAMSYDRYVA--------------

>Q8VFU5

--------------SFAGCFTQYFFAILLGATEFYLLAVMSYDRYVA--------------

>Q8VGI9

------------------CFTQLFAAFIFGIAQFFLLAVMSYDRYVA--------------

>Q7TRV1

------------------CATQMFFFFGLAANNCFIMAAMSYDRYTA--------------

>Q8VF20

------------------CATQMFFFFGLGGNNCFILSAMSYDRYTA--------------

>Q8VEZ4

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>Q8VEZ5

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>Q8VGP8

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>Q8VF55

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>Q8VGJ6

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>Q8VGD8

-----------------GCGAQMFFFMFLGAAECLLLALMAYDRYVA--------------

>Q8VG32

-----------------CCGTQLFFFLGFGITNCFLLAVMGYDRYVA--------------

>Q8VGE1

-----------------DCVVQIFFYLTFGINNCFLLMVMGYDRYVA--------------

>Q8VF80

------------------CGTQHFFALALGGTEFLLLAAMAYDRYVA--------------

>Q7TRJ5

------------------CATQMFFFTFFGITECCLLAAMAYDRCMA--------------

>Q8VEY1

------------------CATQMFFFTLFGITECCLLAAMAFDRCMA--------------

>Q7TRJ6

------------------CATQMFFFIFFGITECCLLAAMAFDRYMA--------------

>Q8VFQ2

------------------CATQMFFFIFFGITECCLLAAMAFDRYMA--------------

>W4VSP0

------------------CATQMFFFIFFGITECCLLAAMAFDRYMA--------------

>Q8VFE2

------------------CALQMFFFLFFGATECCLLAAMAYDRYAA--------------

>Q7TRM9

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>Q7TRN0

------------------CATQMYFFFFFGVAECFLLATMAYDRYVAIC------S-----

>Q8VGC1

------------------CFTQLYFFALFGIAECCLLTAMAYDRYAA--------------

>Q8VFE7

------------------CATQMYFVFSLGCTEYFLLAVMAYDRYLAIC------L-----

>Q7TRU6

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>Q8VEW6

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>Q8VG09

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>Q8VFD1

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>Q8VFD2

----------------LGCGIQLSSAALFGATECFLLAAMAYDRFMA--------------

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>Q8VFD3

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>Q8VG03

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>Q8VG08

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>Q8VG04

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>Q8VF12

----------------IGCSIQFTSAVFLATVECFLLAAMAYDRFVA--------------

>Q8VEW5

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>Q8VG13

----------------LGCGIQLGSGAFFGSTESFLLAAMAYDHFMA--------------

>Q8VES2

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>Q8VFL9

----------------IGCATQMFLAVTFGTTECFLLAAMAYDRYVA--------------

>Q8VF13

----------------PGCVTEMFLFVTFGTTECFLLAAMAYDRFVA--------------

>Q8VF14

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>Q8VEZ0

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>Q8VG06

----------------HACEAQLCSVVTFGTAECFLLAAMAYDRYVA--------------

>Q8VG42

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>Q8VFC9

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>Q8VG43

----------------ATCAAQLCMTVSFGSAECFLLAAMAYDRYVA--------------

>Q8VG44

----------------AACAAQLCITVSFGSAECFLLAAMAYDRYVA--------------

>Q8VGI6

----------------AACVAQFCIAVTFGTVECFLLAVMAYDRYVA--------------

>Q8VGI5

----------------AGCAAQLGSDVAFGTTECFLLATMAYDRYVA--------------

>Q7TRZ7

L-------MGKKFISAAGCGFQIFFFLTLGGGECFLLAAMSYDRY----------------

>Q7TS53

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>Q8VET2

-----------------GCASQIFFVVTVGGAECFLLAVMAYDRYMA--------------

>Q8VF87

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>Q8VFA2

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>Q8VFG7

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>Q8VGD7

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>Q8VGL6

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>Q8VGD9

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>Q7TRI7

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>Q8VG72

------------------CVVQLYVFHIMGGTECLLLAIMSFDRYVA--------------

>Q8VEY4

------------------CVVQLYFFHTMGGTECVLLALMSFDRYVA--------------

>Q8VG94

------------------CAVQLYFFHTMGGTECVLLALMSFDRYVA--------------

>Q8VG95

------------------CVVQLYFFHIMGGTECVLLALMSFDRYVA--------------

>Q8VFG4

------------------CVTQFYIFHFLGATECILLAVMSLDRYIA--------------

>Q8VG96

------------------CITQLYFFHFLGSTEAILLAVMAFDRFVA--------------

>Q8VF69

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>Q8VFG2

------------------CMAQAYVFHWLGCTECVLLGIMALDRYVA--------------

>Q7TRL9

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>Q7TRM0

--------------SFSGCFLQFYFFFSLGSTECFFLAVMAFDRYLA--------------

>Q7TRW1

------------------CLLQIYFFHSLGATECYLLTAMAYDRYLA--------------

>Q8VFP0

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>Q8VF72

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>Q8VH08

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>Q8VH10

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>Q9EQ87

S-------GNSRAISYTGCVCQLFFYHFLGCTECFLYTVMAYDRFIA--------------

>Q9EQ84

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>Q8VEY3

--------------SYQDCVSQLFFFHFLGSIECFLYTVMAYDRF----------------

>Q7TRI8

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>Q7TRL3

--------GPAKTISFLGCSVQLFIFLSLGTTECILLTVMSFDRYVA--------------

>Q8VFA3

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>Q8VGX0

--------------SYGGCVAQLLIFLALVSTECLLLGVMAFDRYAA--------------

>Q8VFA4

--------------TYGRCVAQLFSVLALGSTESMLLVVMAFDRY----------------

>Q8VFA6

--------------SYGGCVSQLFITLALGSTESVLLVVMAFDRY----------------

>Q8VFA7

--------------SYGGCVAQLFIFLALGSTESVLLVVMAFDRY----------------

>Q8VFA9

--------------SYGGCVAQLFIFLALASTECLILVAMAFDRY----------------

>Q8VGW9

--------------SYGGCVAQLFLFLALATTESVLLVVMAFDRYVA--------------

>Q8VGC8

--------------TYVGCIAQLFIFLSLGSTECVLLSVMAFDRYVA--------------

>Q8VFQ1

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>Q8VGW6

---------------YGGCVAQLYIFLALGSTECILLAIMAFDRFAA--------------

>Q8VFA8

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>Q8VEV0

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>Q8VF17

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>Q8VGP6

------------------CMTQTFLFLTFAHTECLLLVVMSYDRYVA--------------

>Q8VF18

------------------CMTQTYLFLTFAITECLLLVVMSYDRYVA--------------

>Q8VFS3

---------------FAGCMMQTYLFLTFGSTECVLLVVMSYDRYVA--------------

>Q8VFC2

---------------YAGCMLQLYFVLALGTTECVLLVVMSYDRYVA--------------

>Q7TRN3

--------------SLEGCALQMFLALTLGGAEDLLLAFMAYDRYVA--------------

>Q9D3U9

--------------SFEGCALQLFSAMTLGGAEDLLLAFMAYDRYVA--------------

>Q9EPF7

---------------FEGCSLQMFLALTLGGAEDLLLAFMAYDRYVA--------------

>Q7TRN4

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>Q9EPF5

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>Q8VFM4

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>Q8VFM5

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>Q8VFM3

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>Q9EPF6

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>Q9EPF8

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>Q80ZX9

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>Q9QZ18

--------------SFTGCAVQMCLSLSTGSTECLLLAVMAYDRYLA--------------

>Q8VG87

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>Q8VGA9

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>Q9QZ22

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>Q9QZ19

----------RKTISFSGCAVQMFLSFAMGATECVLLGMMAFDRYVA--------------

>Q9QZ20

----------RKTISFSGCAVQMFLSFAMGATECVLLGMMAFDRYVA--------------

>Q8VGA0

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>Q7TRY2

--------------SFGGCATQMFFLMLMGVSEGVLLSLMSYDRYVA--------------

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>Q8VGG4

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>Q8VGU7

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>Q7TRX4

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>Q7TRX6

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>Q8VGJ7

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>Q8VGK8

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>Q8VGJ9

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>Q8VGK4

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>Q8VGK6

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>Q8VGX5

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>Q8VEU7

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>Q8VGU6

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>Q7TRF6

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>Q7TRG2

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>Q7TS01

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>Q8VGH2

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>Q8VFX4

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>Q8VFW5

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>Q8VFK2

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>Q8VGS3

----------------SSCATQFAFFVGFVDAECYVLAAMAYDRFVA--------------

>Q7TRH2

-----------------ECATQFFFFALFVGTEGFFLAVMAYDRFSA--------------

>Q8VFU4

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>Q7TS37

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>Q8VGP9

---------------VGECFAQYYFFCISATTEIFLLVAMAYDRYVA--------------

>Q8VGQ3

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>Q7TS38

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>Q8VGH5

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>Q8VGU4

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>Q8VGU5

---------------FIGCMTQLYFFSSLVCTECVLLASMAYDRYVA--------------

>Q8VGW8

---------------FTHCMIQLYFFIALMCTECVLLAAMAYDRYVA--------------

>Q8VFC3

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>Q8VFE3

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>Q8VFQ4

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>Q8VG65

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>Q8VG66

-----------------CCAAQFFFFTICAATECFLLSVMAYDRYVA--------------

>Q8VG11

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