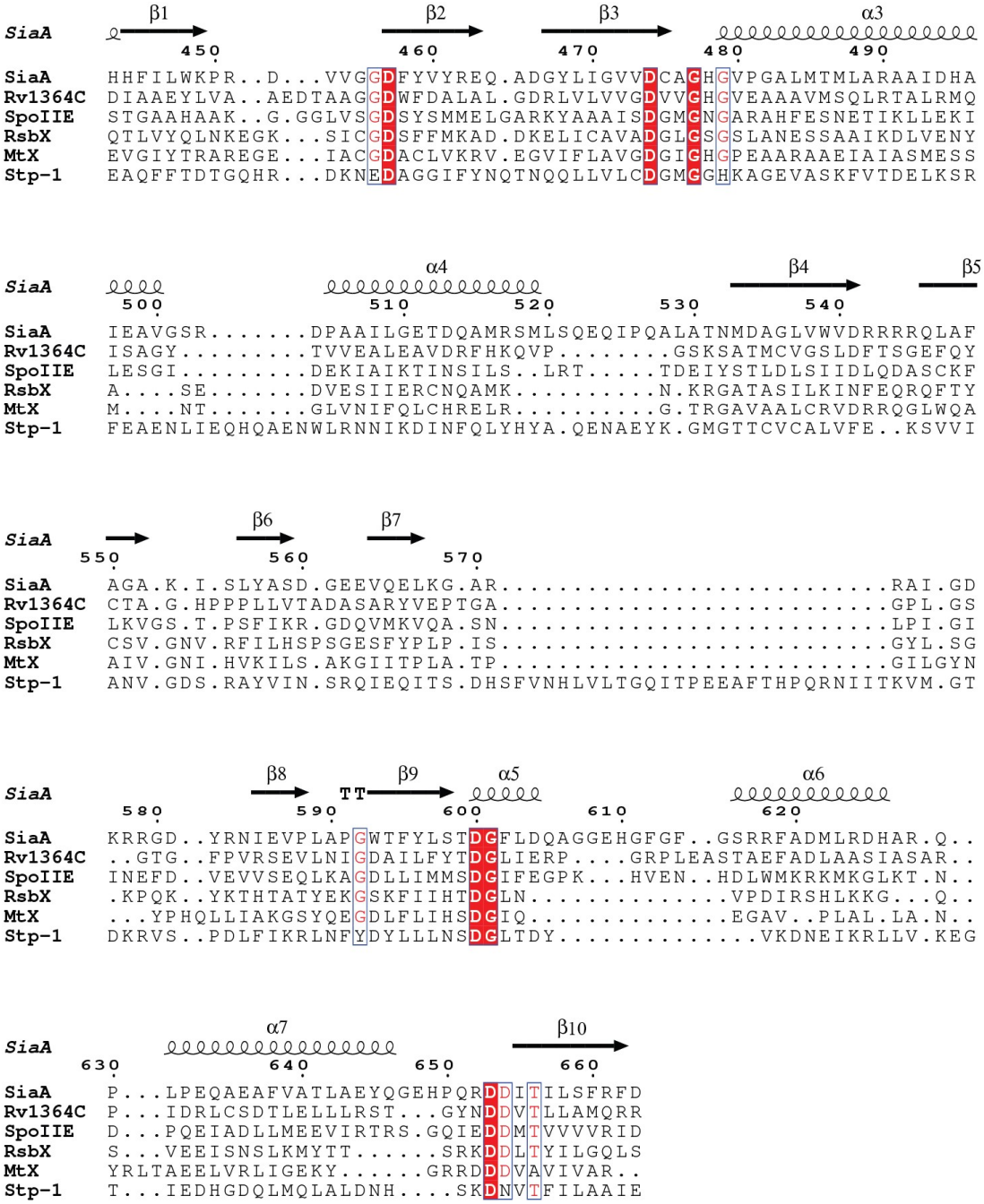
β1 β2 β3 α3
SiaA
450 460 470 480 490
SiaA HHFILWKPR..D...VVGGDFYVYREQ.ADGYLIGVVDCAGHGVPGALMTMLARAAIDHA
Rv1364C DIAAEYLVA..AEDTAAGGDWFDALAL.GDRLVLVVGDVVGHGVEAAAVMSQLRTALRMQ
SpoIIE STGAAHAAK..G.GGLVSGDSYSMMELGARKYAAAISDGMGNGARAHFESNETIKLLEKI
RsbX QTLVYQLNKEGK...SICGDSFFMKAD.DKELICAVADGLGSGSLANESSAAIKDLVENY
MtX EVGIYTRAREGE...IACGDACLVKRV.EGVIFLAVGDGIGHGPEAARAAEIAIASMESS
Stp-1 EAQFFTDTGQHR...DKNEDAGGIFYNQTNQQLLVLCDGMGGHKAGEVASKFVTDELKSR
α4 β4 β5
SiaA
500 510 520 530 540
SiaA IEAVGSR.....DPAAILGETDQAMRSMLSQEQIPQALATNMDAGLVWVDRRRRQLAF
Rv1364C ISAGY.....TVVEALEAVDRFHKQVP.....GSKSATMCVGSLDFTSGEFQY
SpoIIE LESGI.....DEKIAIKTINSILS..LRT.....TDEIYSTLDLSIIDLQDASCKF
RsbX A....SE.....DVESIIERCNQAMK.....N.KRGATASILKINFEQRQFTY
MtX M....NT.....GLVNIFQLCHRELR.....G.TRGAVAALCRVDRRQGLWQA
Stp-1 FEAENLIEQHQAENWLRNNIKDINFQLYHYA.QENAEYK.GMGTTCVCALVFE..KSVVI
β6 β7
SiaA
550 560 570
SiaA AGA.K.I.SLYASD.GEEVQELKG.AR.....RAI.GD
Rv1364C CTA.G.HPPPLLVTADASARYVEPTGA.....GPL.GS
SpoIIE LKVGS.T.PSFIKR.GDQVMKVQA.SN.....LPI.GI
RsbX CSV.GNV.RFILHSPSGESFYPLP.IS.....GYL.SG
MtX AIV.GNI.HVKILS.AKGIITPLA.TP.....GILGYN
Stp-1 ANV.GDS.RAYVIN.SRQIEQITS.DHSFVNHLVLTGQITPEEAFTHPQRNIITKVM.GT
β8 β9 α5 α6
SiaA
TT
580 590 600 610 620
SiaA KRRGD..YRNIEVPLAPGWTFYLSTDGFLDQAGGEHGFGF..GSRRFADMLRDHAR.Q..
Rv1364C ..GTG..FPVRSEVLNIGDAILFYTDGLIERP....GRPLEASTAEFADLAASIASAR..
SpoIIE INEFD..VEVVSEQLKAGDLLIMMSDGIFEGPK...HVEN..HDLWMKRKMKGLKT.N..
RsbX .KPQK..YKTHTATYEKGSKFIIHTDGLN.....VPDIRSHLKKG...Q..
MtX ...YPHQLLIAKGSYQEGDLFLIHSDGIQ.....EGAV..PLAL.LA.N..
Stp-1 DKRVS..PDLFIKRLNFYDYLLLNSDGLTDY.....VKDNEIKRLLV.KEG
α7 β10
SiaA
630 640 650 660
SiaA P...LPEQAEAFVATLAEYQGEHPQRDDITILSFRFD
Rv1364C P...IDRLCSDTLELLLRST...GYNDDVTLLAMQRR
SpoIIE D...PQEIADLLMEEVIRTRS.GQIEDDMTVVVVRID
RsbX S...VEEISNSLKMYTT.....SRKDDLTYILGQLS
MtX YRLTAEELVRLIGEKY.....GRRDDDVAVIVAR..
Stp-1 T...IEDHGDQLMQLALDNH....SKDNVTFILAAIE