A

Or47b

sechellia	MVDM**M**GIS**M**FLQTALNLKLLCIEMRKLGDMEVSD-**E**RFHEEFCRVVRFHQHIIKLVGK
simulans	MVDMVGISTFLQTALNLKLLCIEMRKLG**E**MEVSD-KRFHEEFCRVVRFHQHIIKLVGK
melanogaster	MVDMVGISTFLQTALNLKLLCIE**I**RKLGDMEVSD-KRFHEEFCRVVRFHQHIIKLVGK

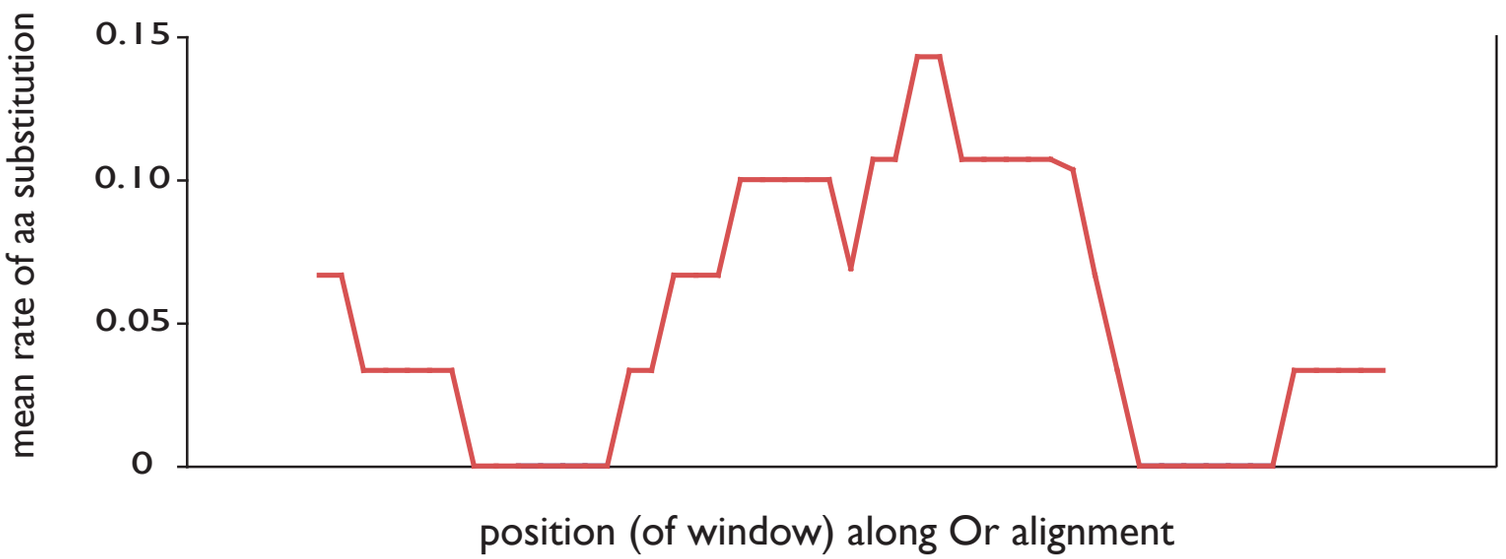
Or65a

sechellia	VFENMGVSLFFELTSALRVLCIELRNLQELCLGDEDILYRELCRMTKFHQQIIILTDR
simulans	VFENMGVSLFFELTSALRVLCIELRNLQELCLGDEDILYRELCRMTKFHQQIIILTDR
melanogaster	V**V**ENMGVSLFFELTSALRVLCIELRNLQELCLGDED**M**LYRELCRMTKFHQQII**L**LTDR

Or65b

sechellia	CIEGLSV**F**IYAEITFGIEVLCLELRHIHRHN**H**G-PKELRMETNRLVKLHQKIVEILDR
simulans	CIEGLSVCIYAEITFGIEVLCLELRHIHRHNYG-PKELRMETNRLVKLHQKIVEILDR
melanogaster	CIEGLS**I**CIYAEITFGIEVLCLELR**Q**IHRHNYG-**LQ**ELRMETNRLVKLHQKIVEILDR

B

Or47b	MVDM■GIS■FLQTALNLKLLCIE■RKLG■MEVSD-■RFHEEFCRVVRFHQHIIKLVGK
Or65a	V■ENMGVSLFFELTSALRVLCIELRNLQELCLGDED■LYRELCRMTKFHQQII■LTDR
Or65b	CIEGLS■■IYAEITFGIEVLCLELR■IHRHN■G-■■ELRMETNRLVKLHQKIVEILDR
# *sechellia* subs	0000100110000000000000000000000100010000000000000000000000
# generalist subs	0100001000000000000000000101001000001110000000000000000010000
# genes	3333333333333333333333333333333332233333333333333333333333

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