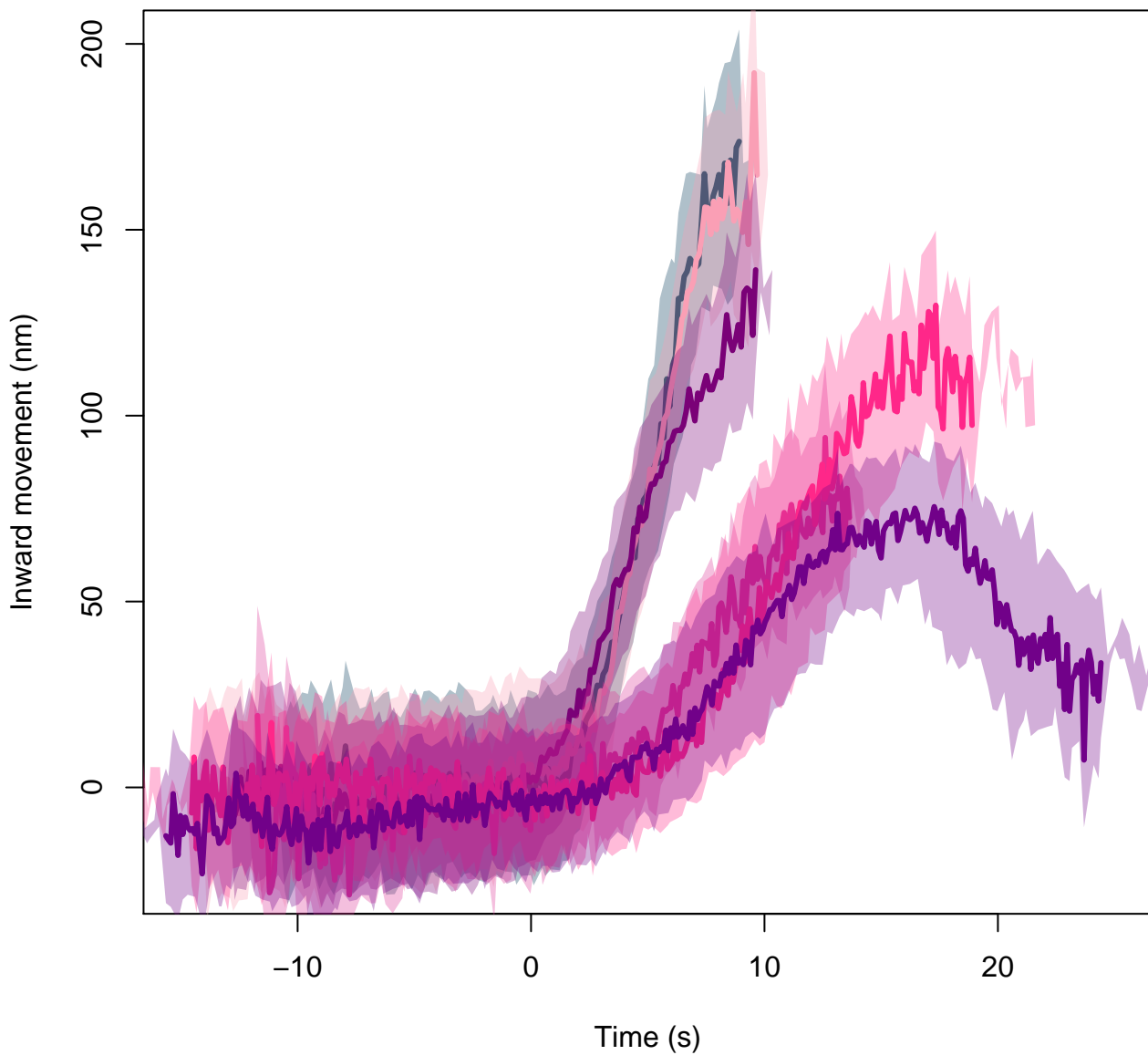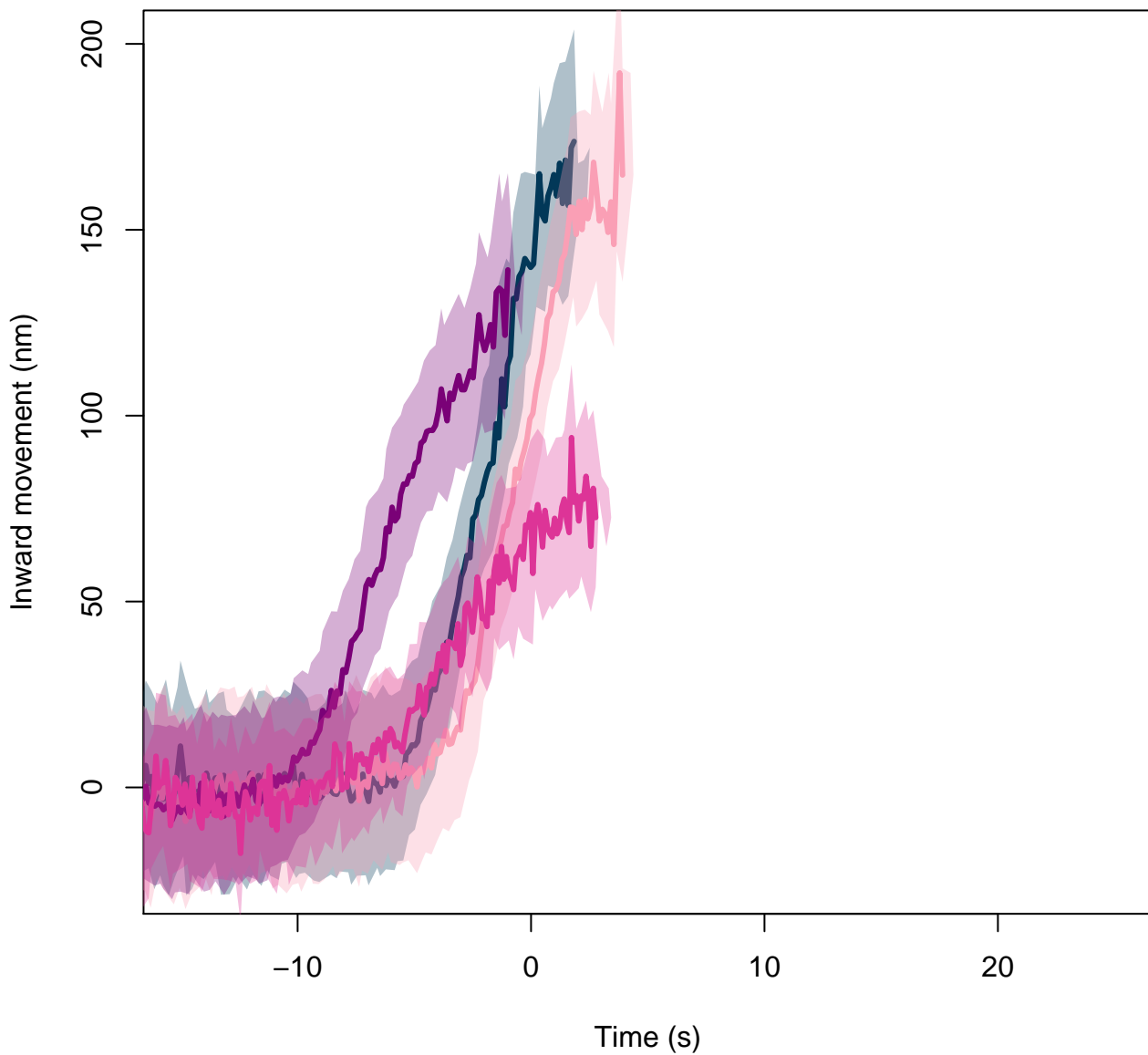**sla1 movement, t=abp start**
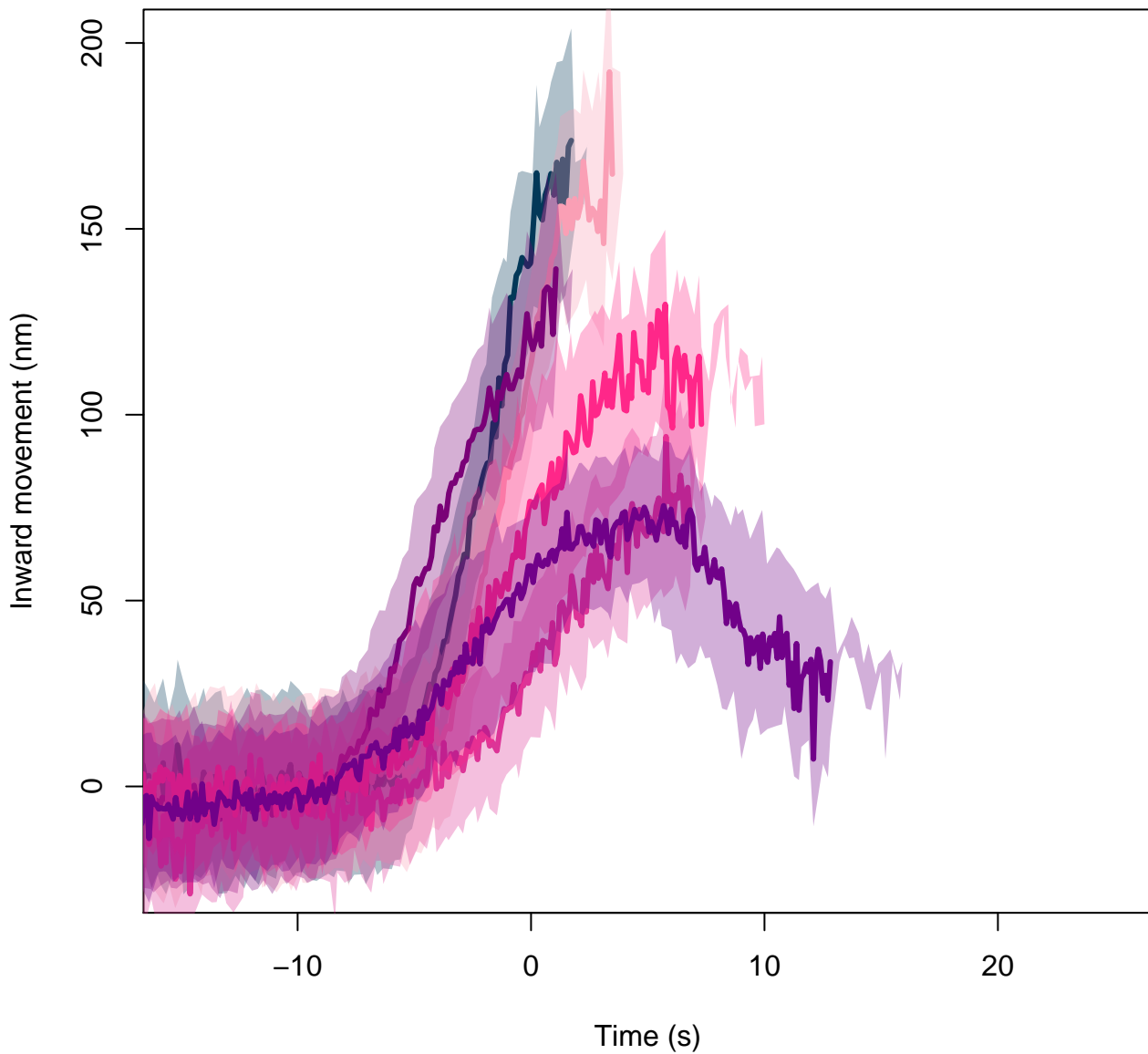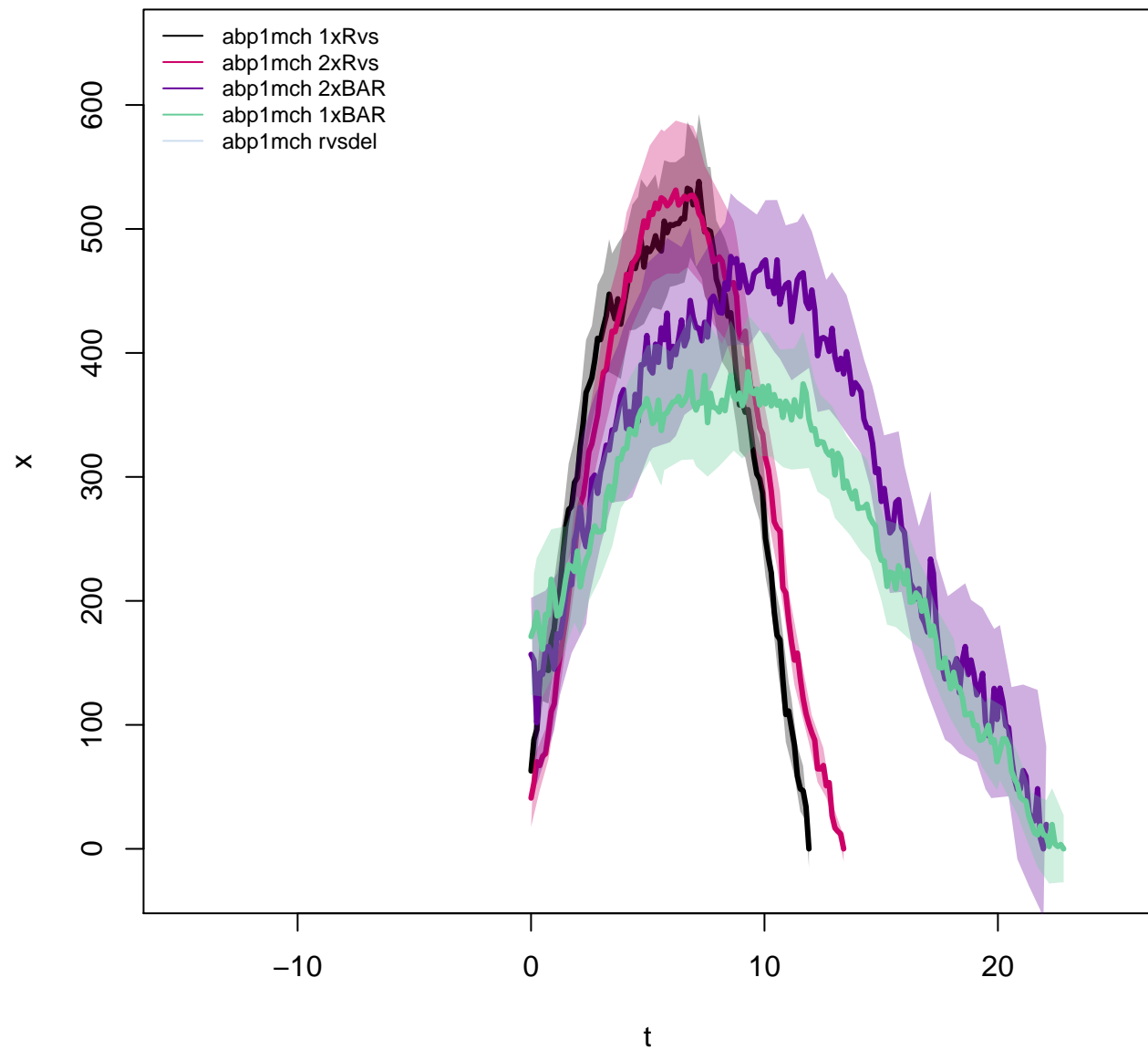
sla1 movement, t0=rvs max

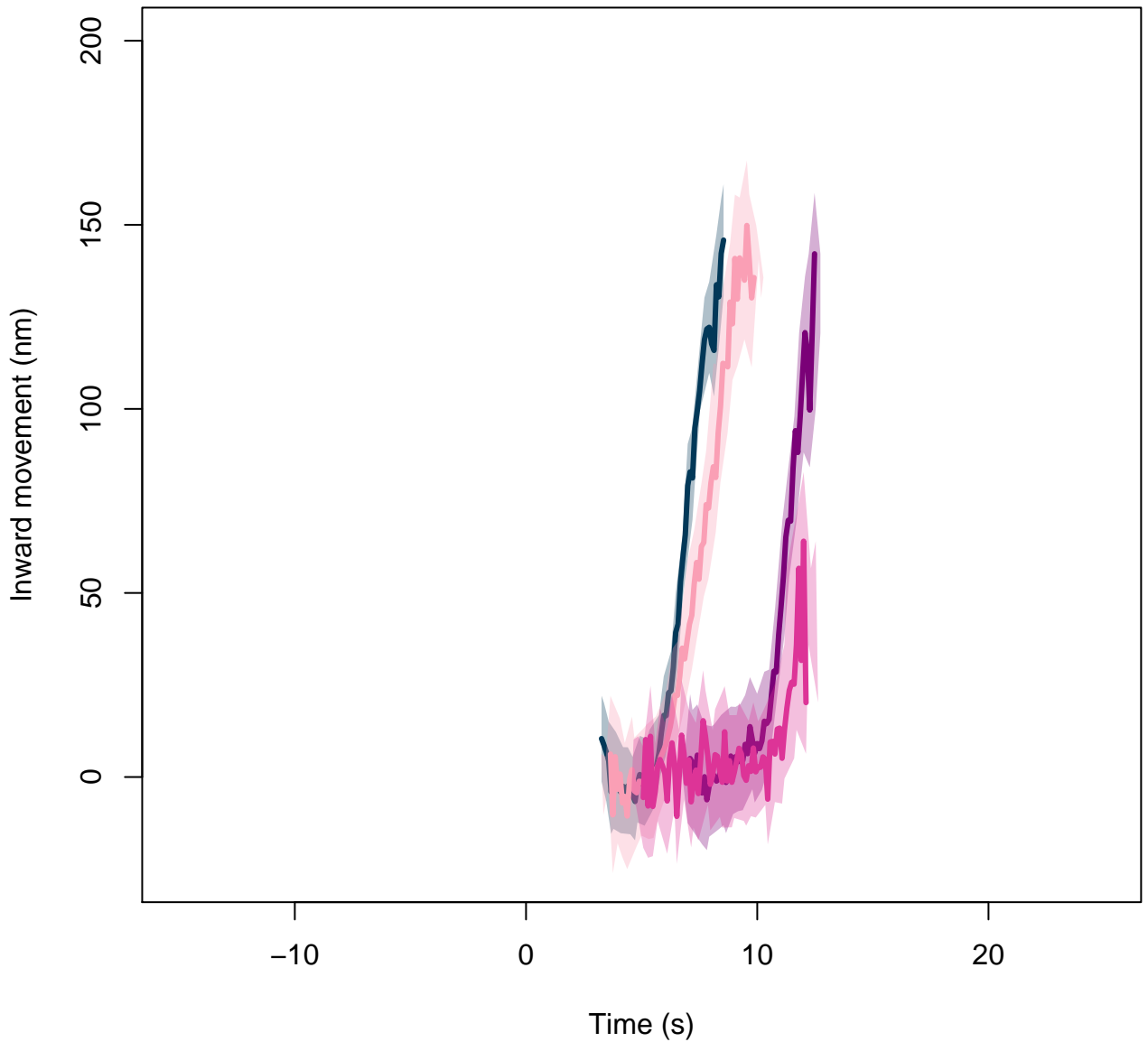**sla1 movement, t0=abp max**

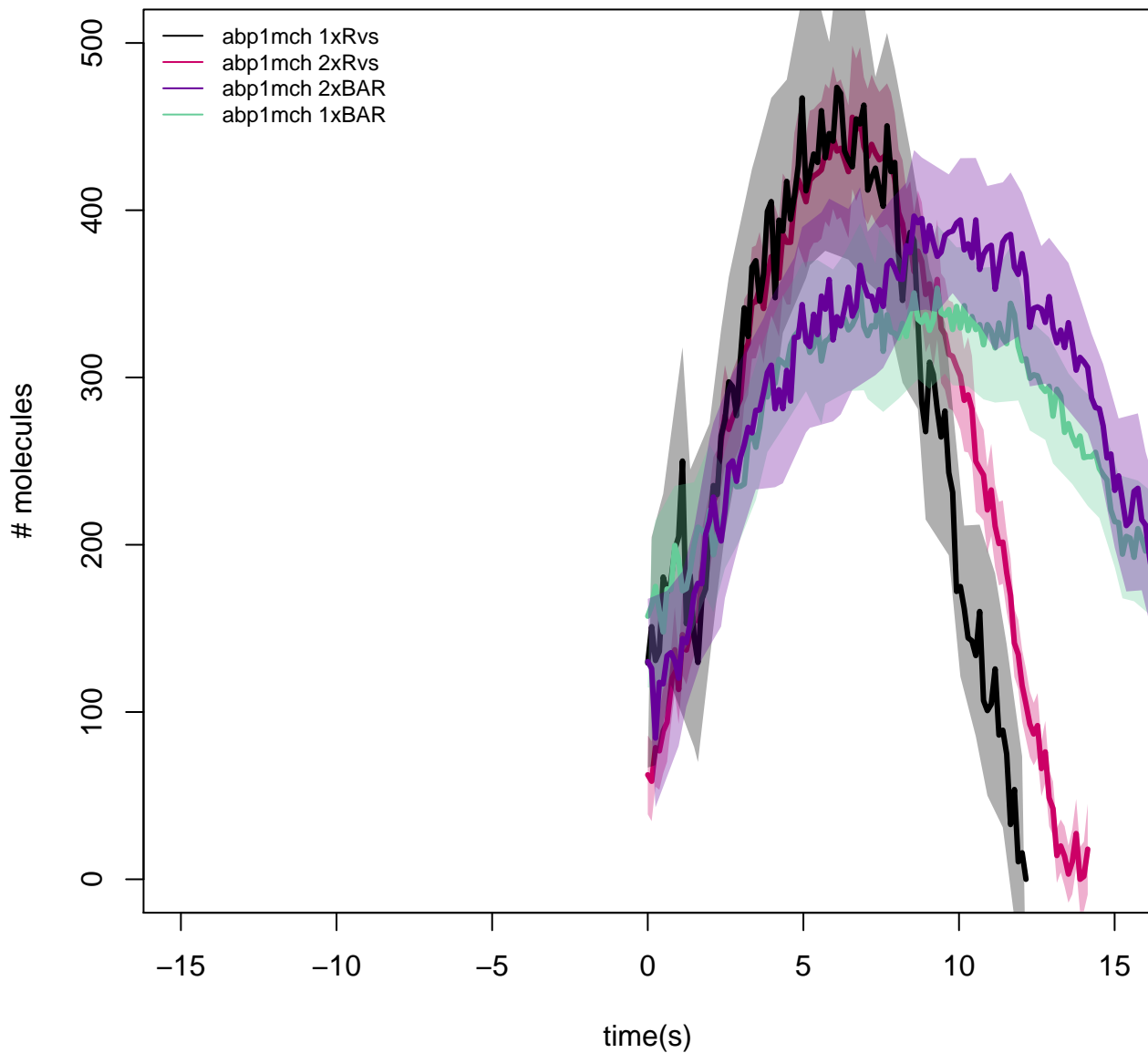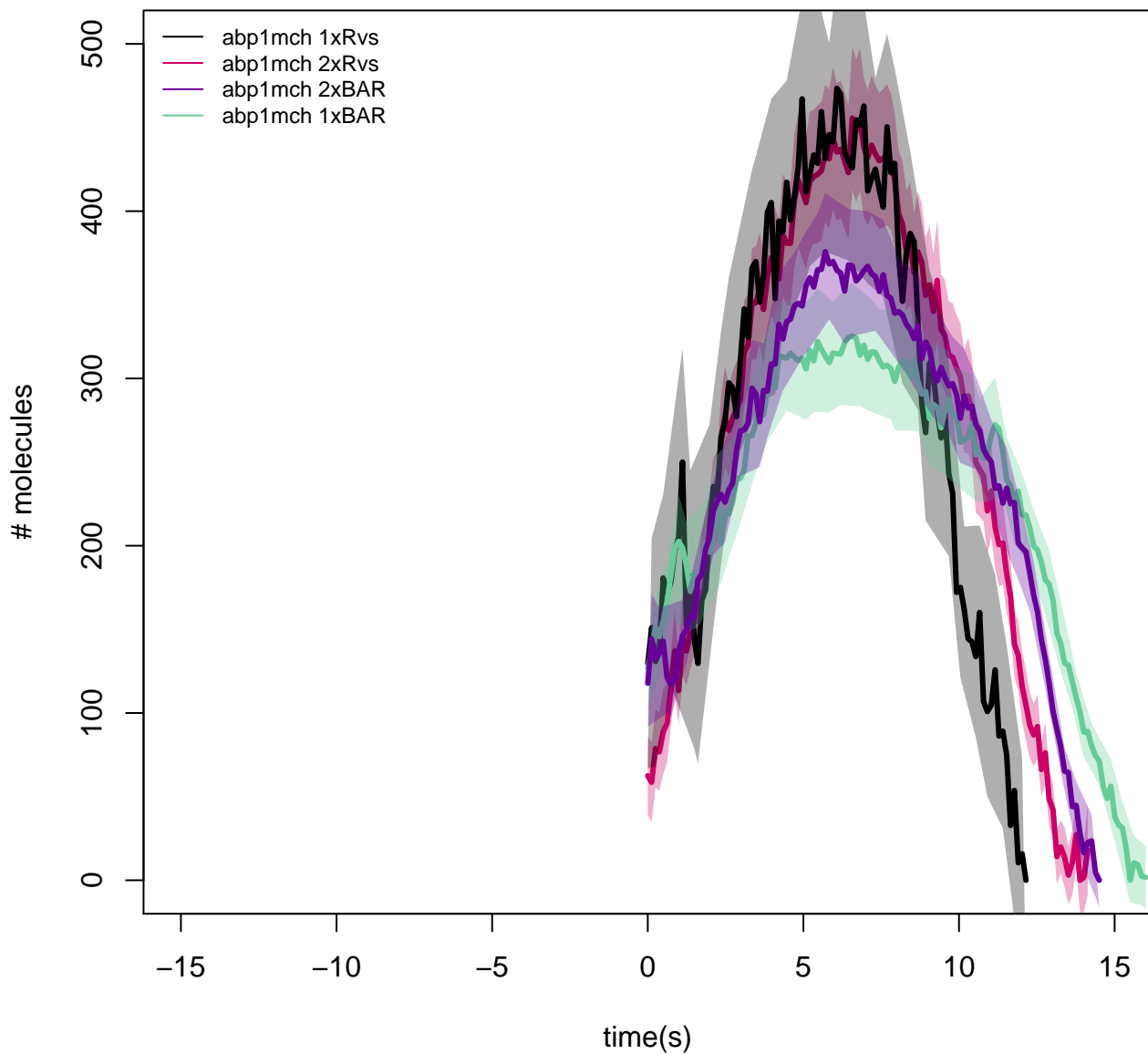**abp mch sla1 co−tag set2 to abp start**

Legend:
- abp1mch 1xRvs
- abp1mch 2xRvs
- abp1mch 2xBAR
- abp1mch 1xBAR
- abp1mch rvsdel

x-axis: t
y-axis: x

rvs movement to abp start

abp mch rvs co−tag to abp start

Legend:
- abp1mch 1xRvs
- abp1mch 2xRvs
- abp1mch 2xBAR
- abp1mch 1xBAR

x-axis: time(s)

y-axis: # molecules

abp mch orig rvs co−tag to abp start

Legend:
- abp1mch 1xRvs
- abp1mch 2xRvs
- abp1mch 2xBAR
- abp1mch 1xBAR
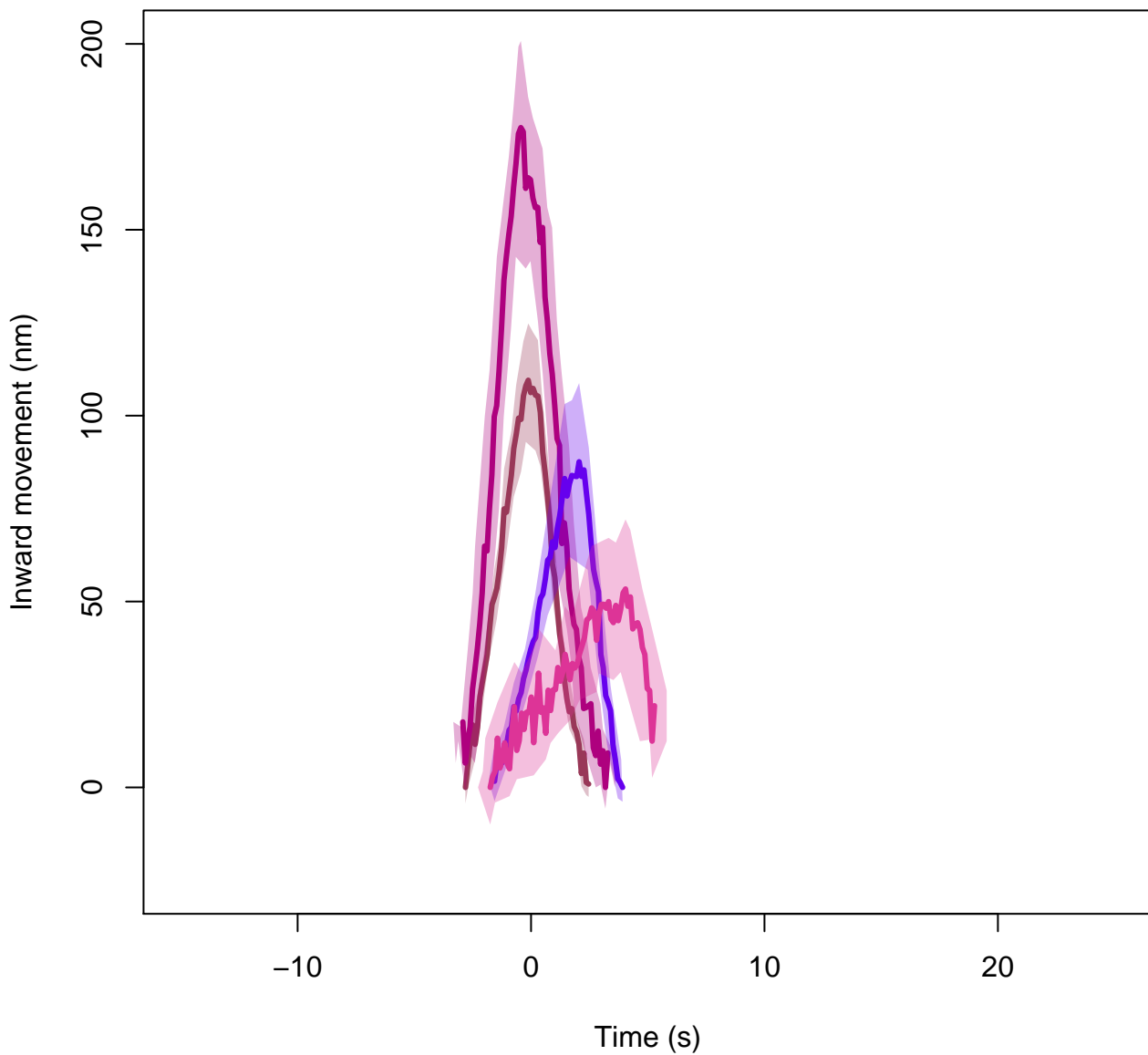
y-axis: # molecules
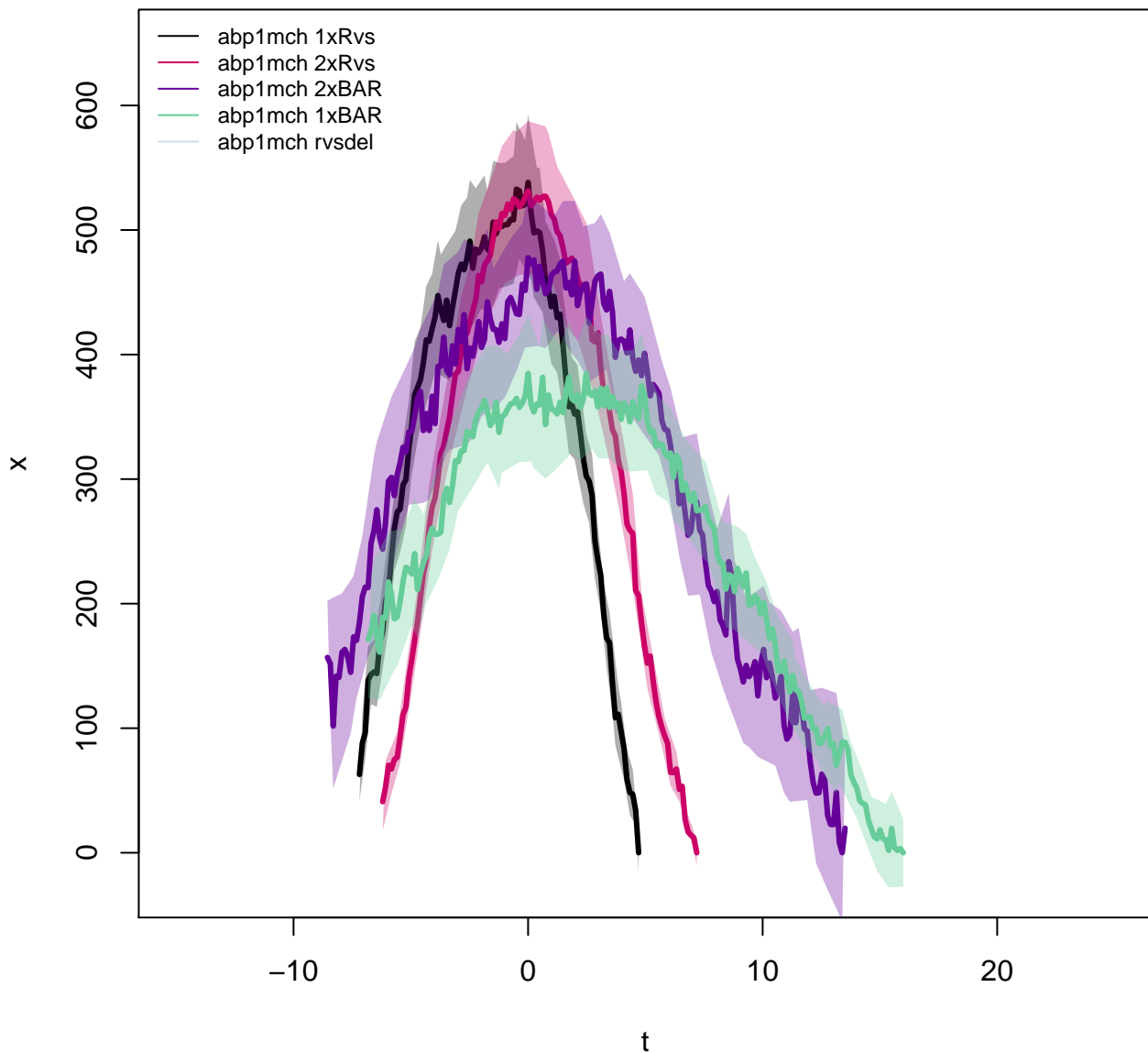
x-axis: time(s)

sla1 fl.int
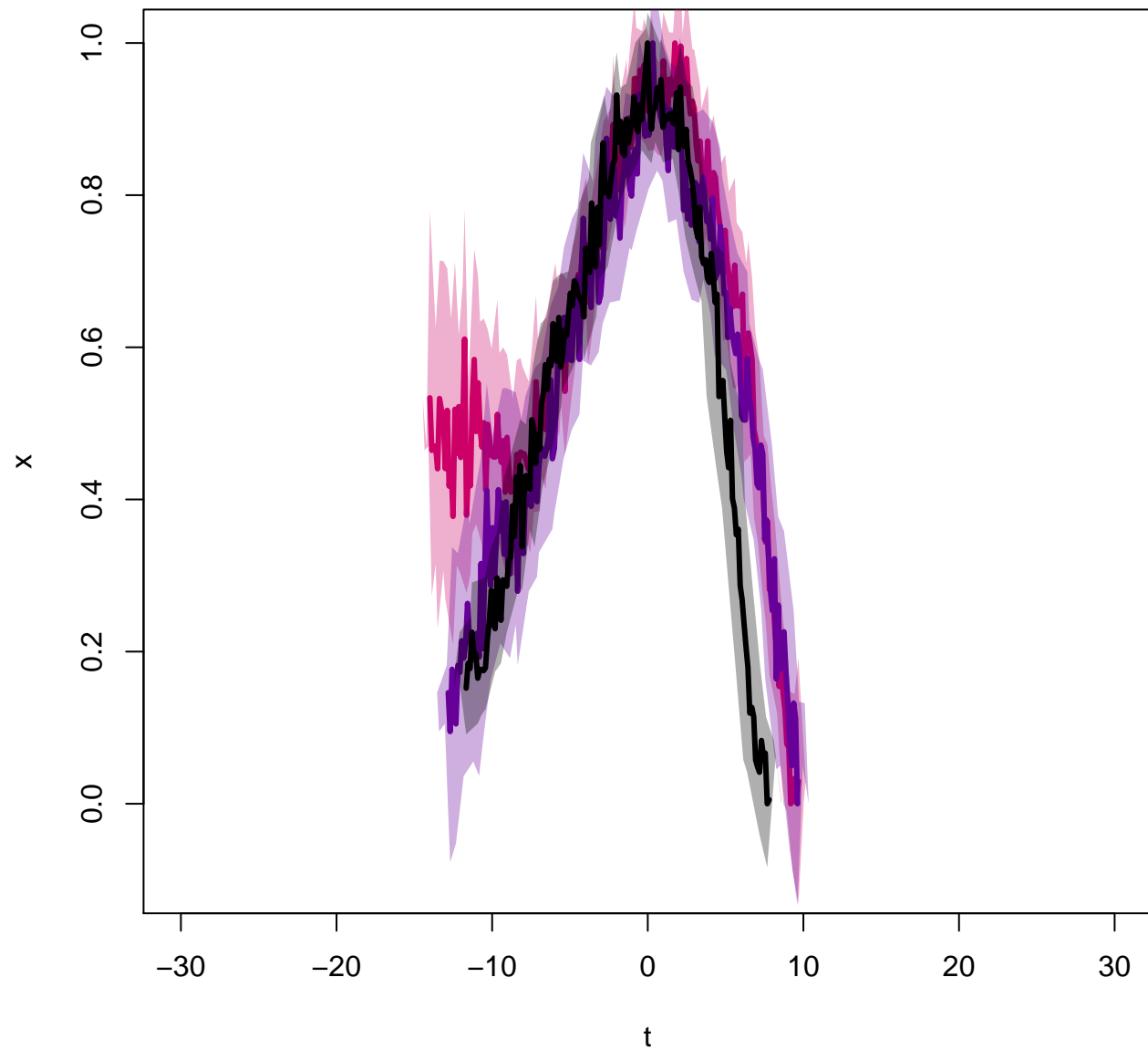
rvs fl.int to abp start
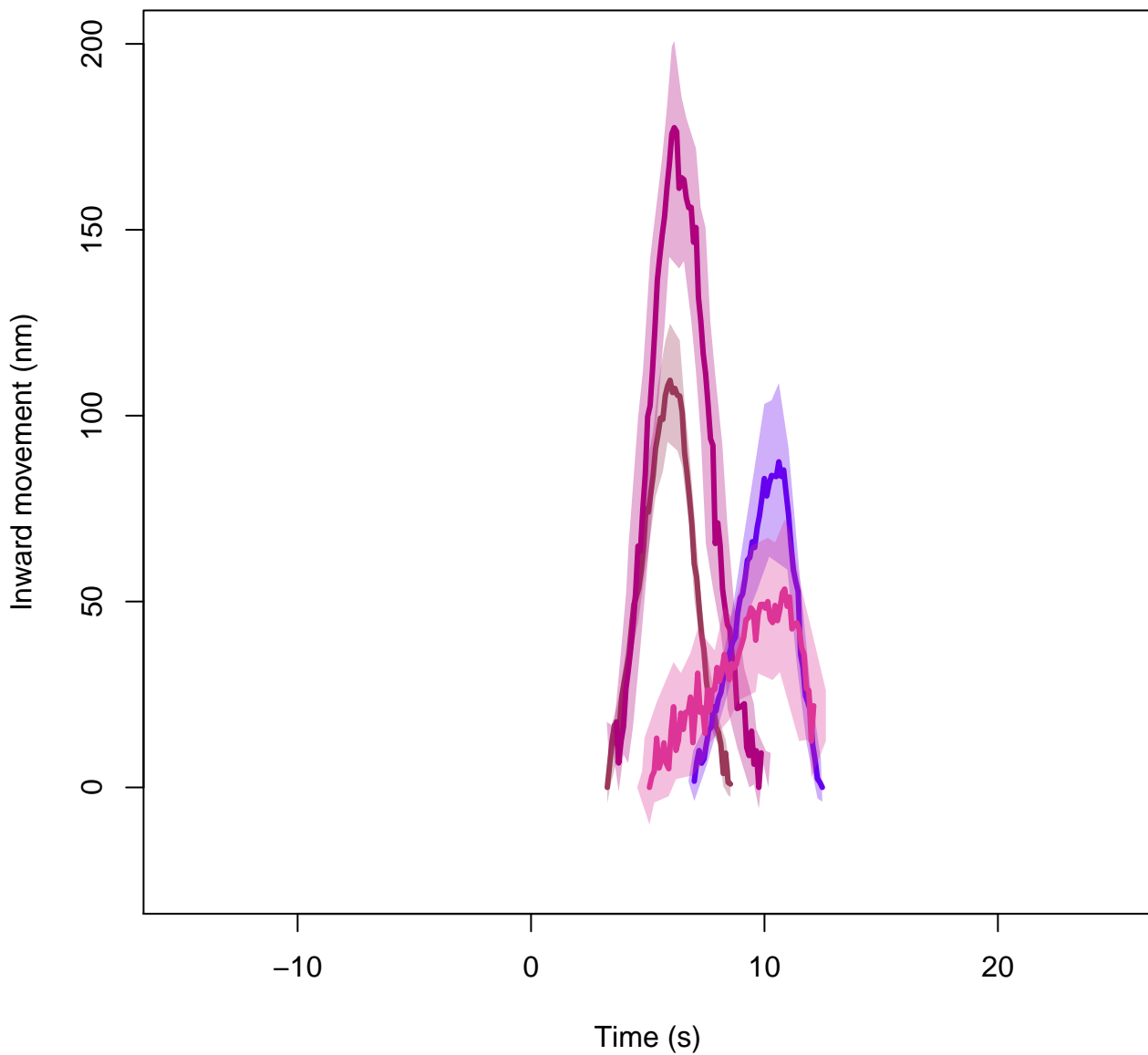
rvs fl.int to abpmax

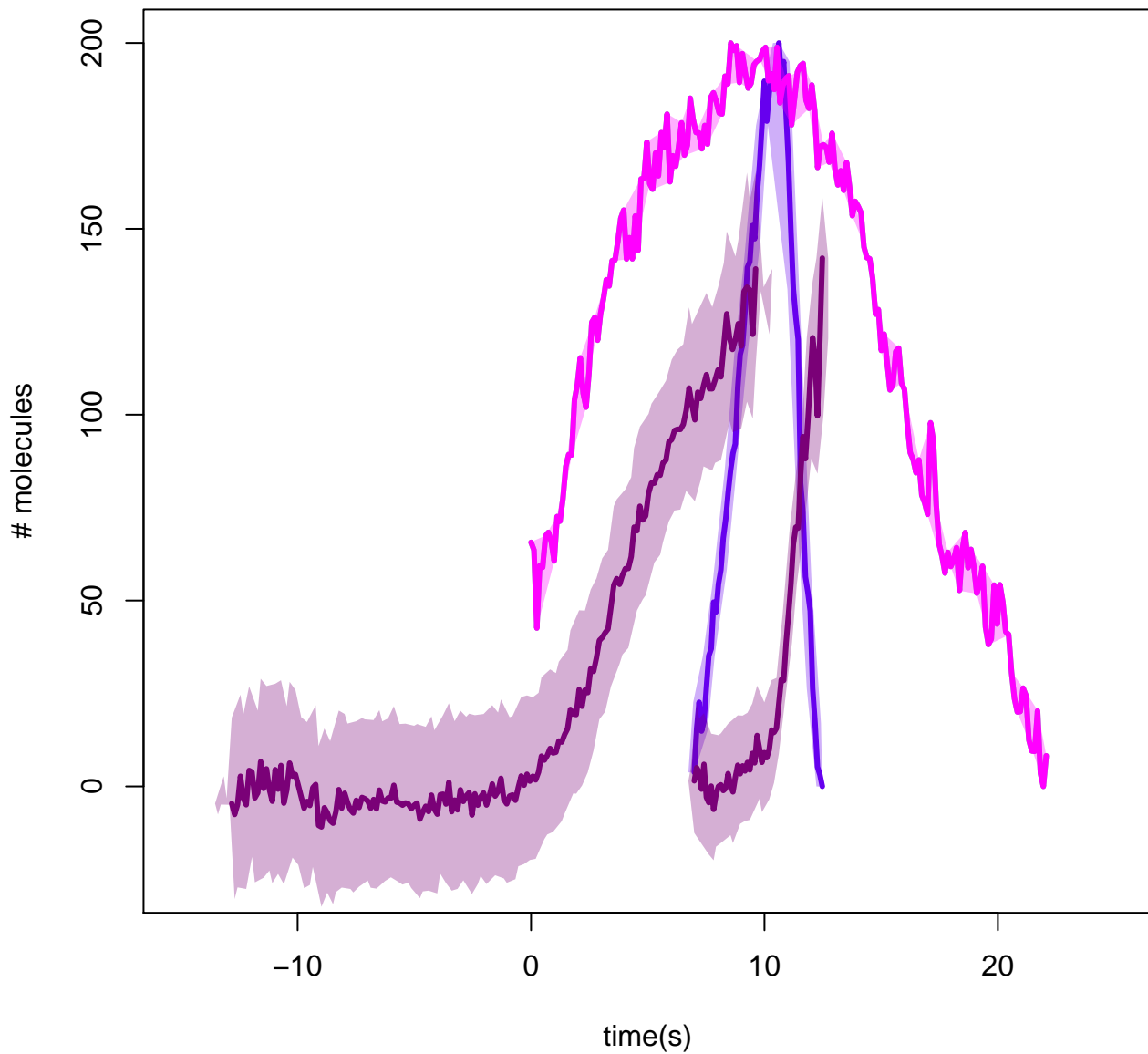**abp mch sla1 co−tag set2 to abp max**

Legend:
- abp1mch 1xRvs
- abp1mch 2xRvs
- abp1mch 2xBAR
- abp1mch 1xBAR
- abp1mch rvsdel

WT

Inward movement (nm)

Time (s)

2xRVS

2xBAR

1xBAR