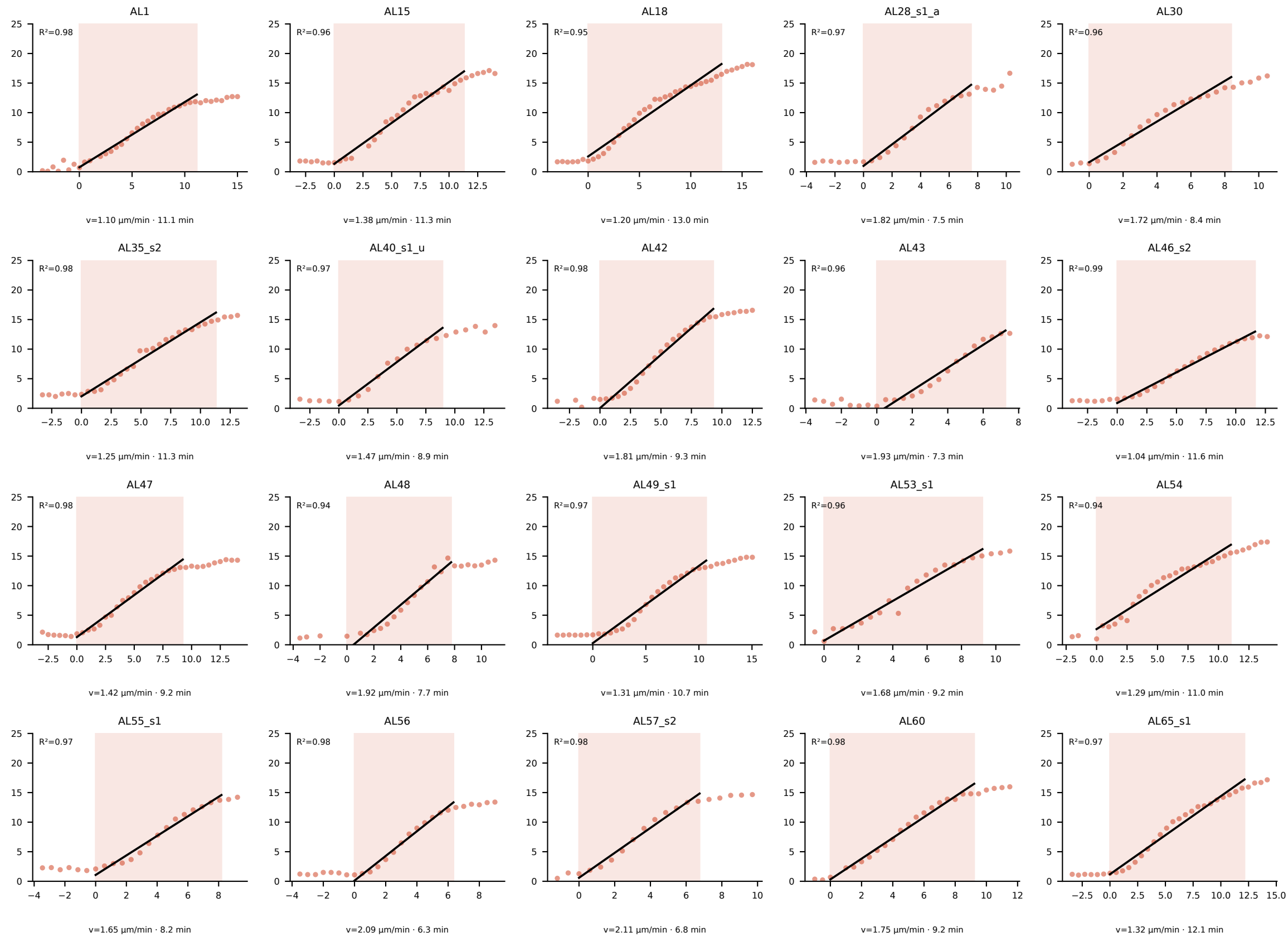


Fig S3 - Meiosis I C-C: linear fits (R^2 + speed + movement time)

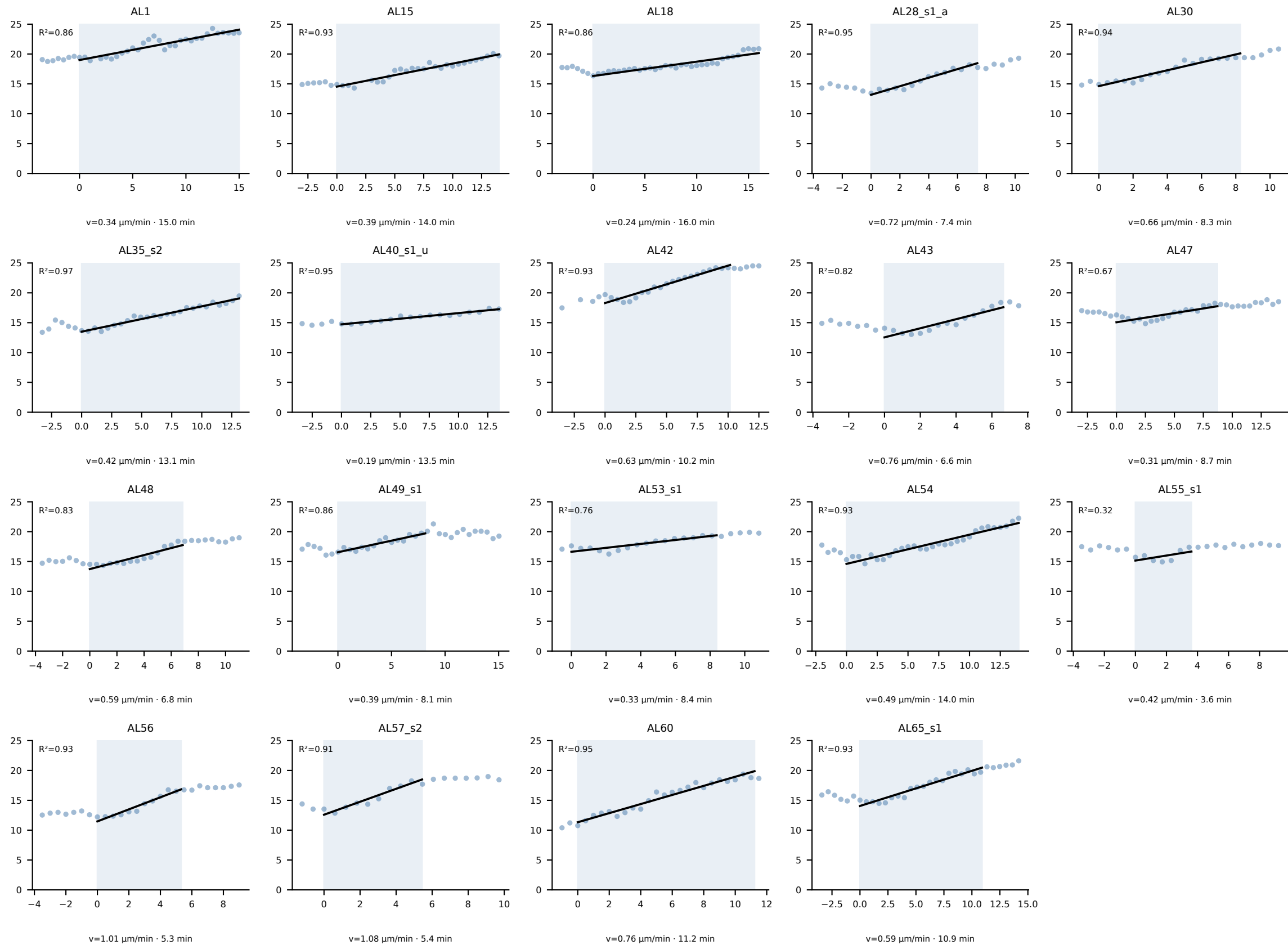
Distance [μm]



Time [min]

Fig S3 - Meiosis I P-P: linear fits (R^2 + speed + movement time)

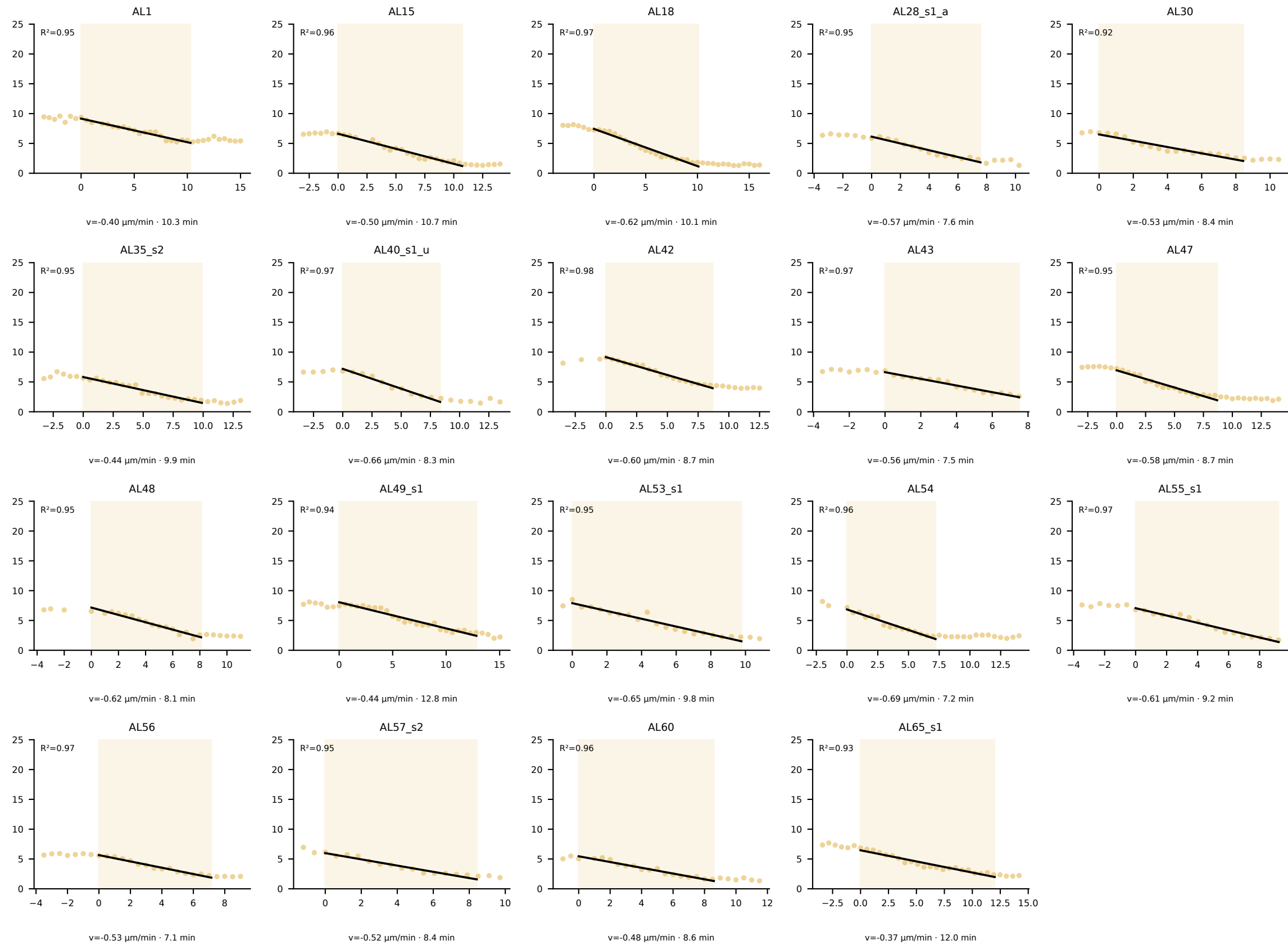
Distance [μm]



Time [min]

Fig S3 - Meiosis I P-C: linear fits (R^2 + speed + movement time)

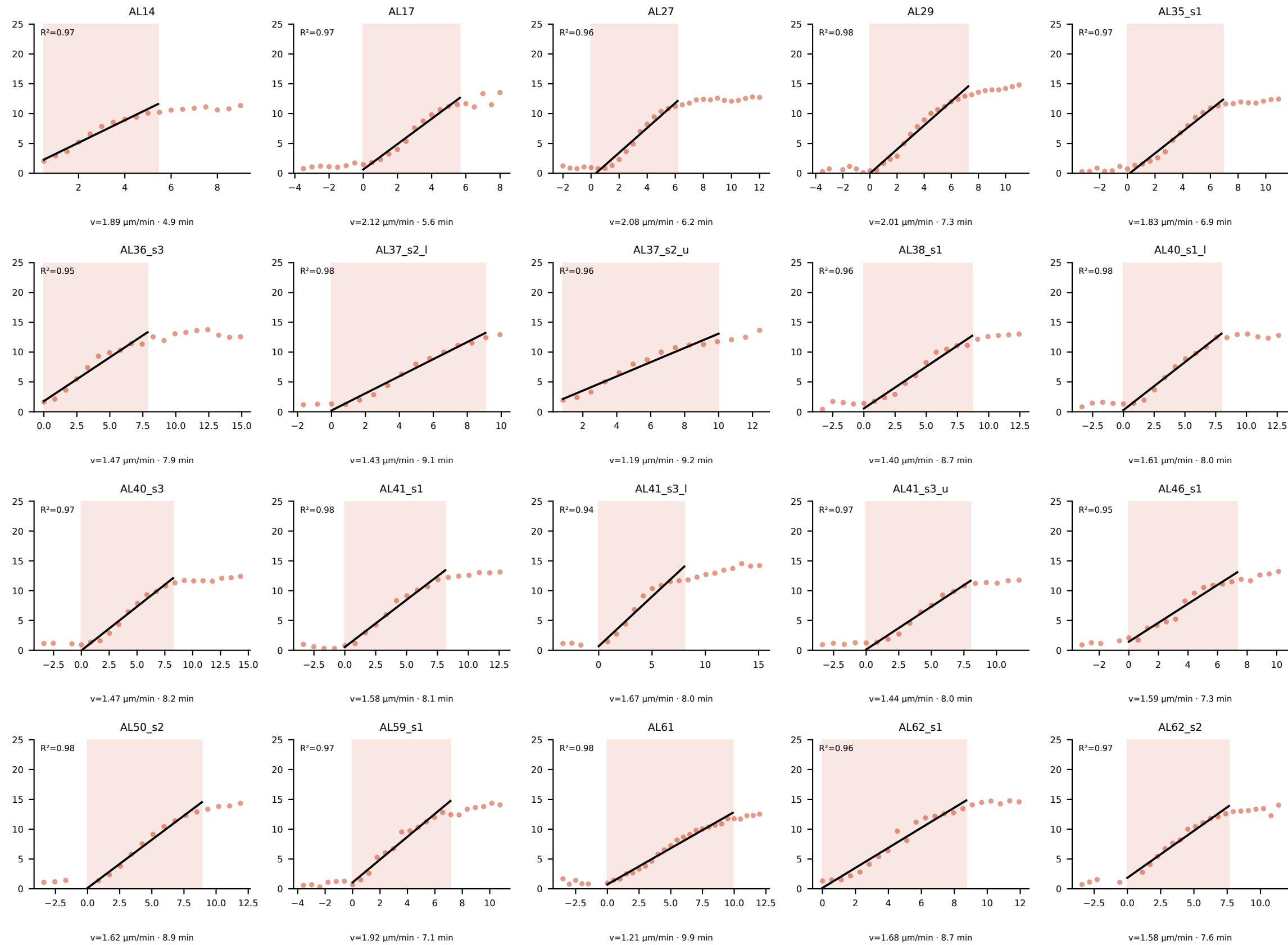
Distance [μm]



Time [min]

Fig S3 - Meiosis II C-C: linear fits (R^2 + speed + movement time)

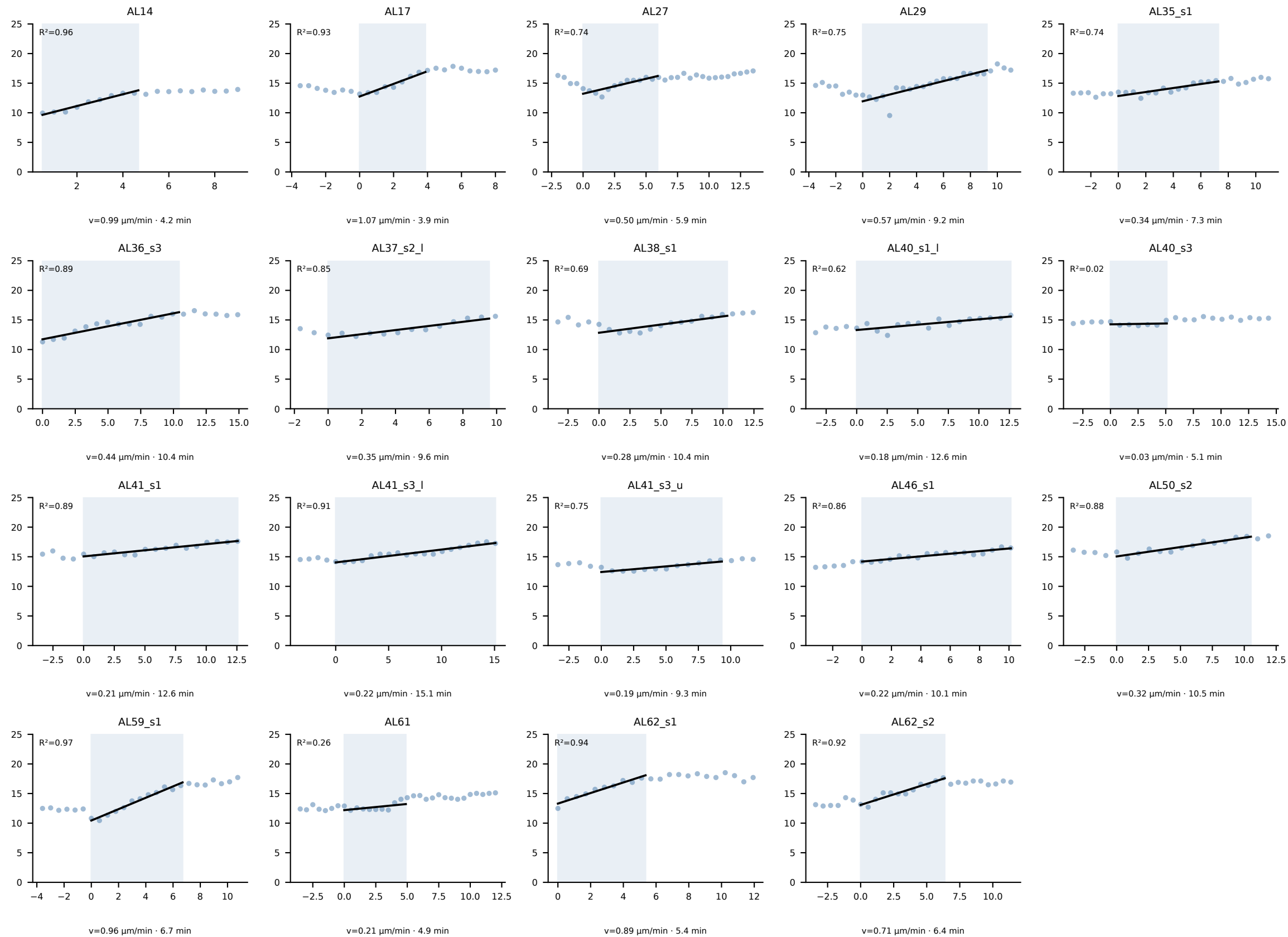
Distance [μm]



Time [min]

Fig S3 - Meiosis II P-P: linear fits (R^2 + speed + movement time)

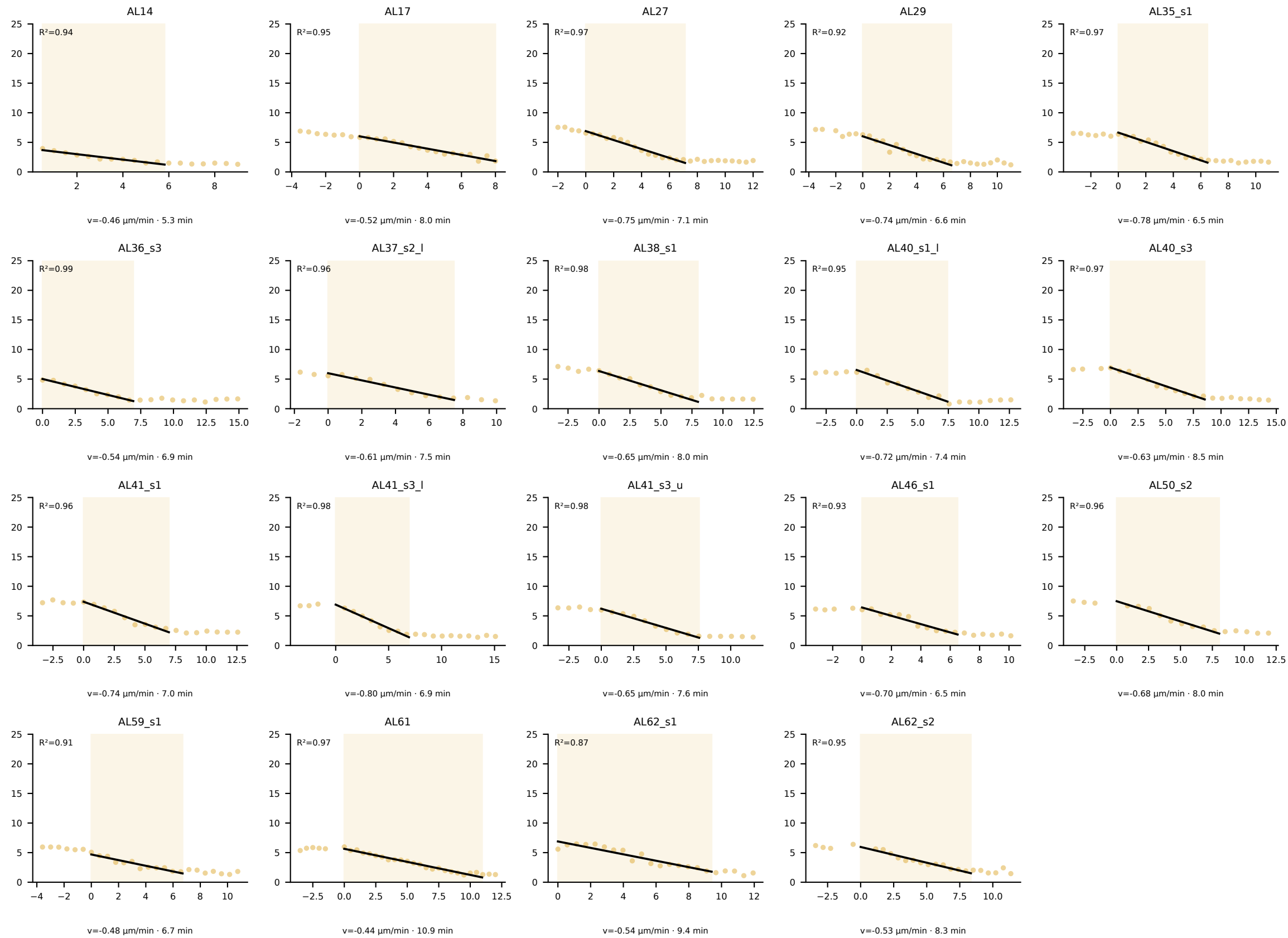
Distance [μm]



Time [min]

Fig S3 - Meiosis II P-C: linear fits (R^2 + speed + movement time)

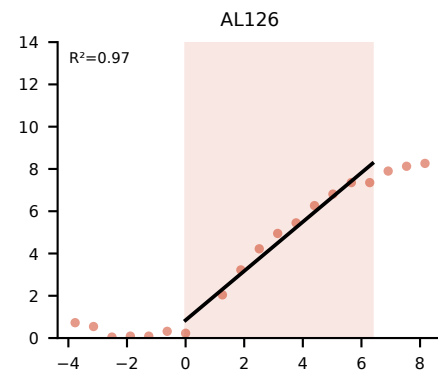
Distance [μm]



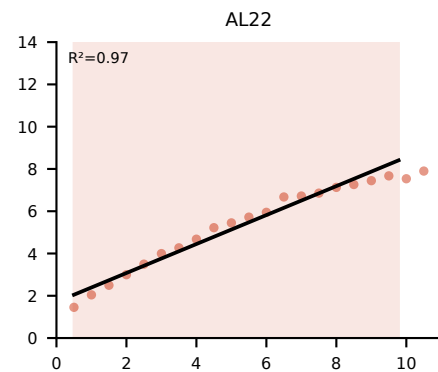
Time [min]

Fig S3 - Mitosis C-C: linear fits (R^2 + speed + movement time)

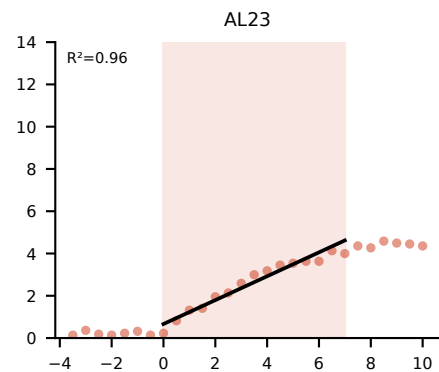
Distance [μm]



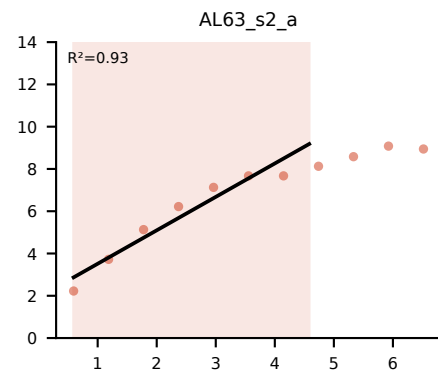
$v=1.16 \mu\text{m/min} \cdot 6.4 \text{ min}$



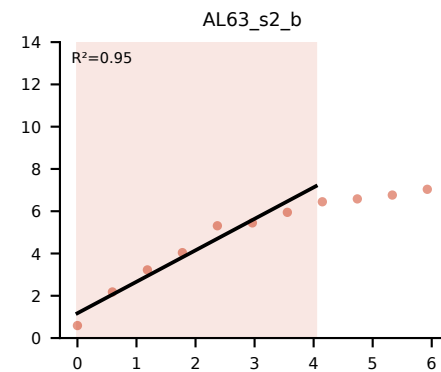
$v=0.69 \mu\text{m/min} \cdot 9.3 \text{ min}$



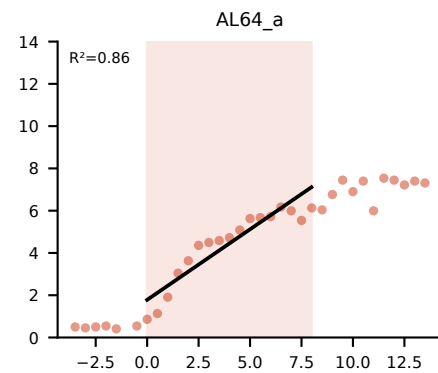
$v=0.56 \mu\text{m/min} \cdot 7.0 \text{ min}$



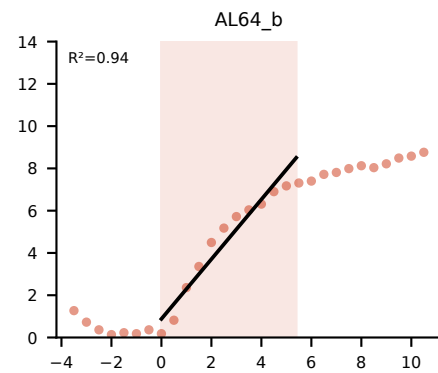
$v=1.58 \mu\text{m/min} \cdot 4.0 \text{ min}$



$v=1.49 \mu\text{m/min} \cdot 4.0 \text{ min}$



$v=0.67 \mu\text{m/min} \cdot 8.0 \text{ min}$

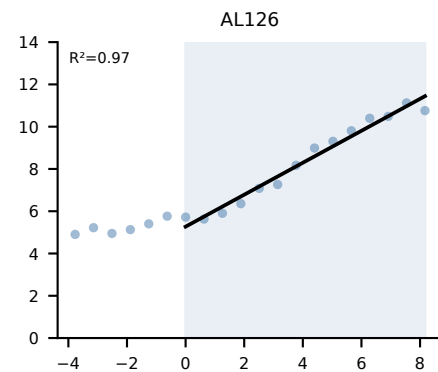


$v=1.41 \mu\text{m/min} \cdot 5.4 \text{ min}$

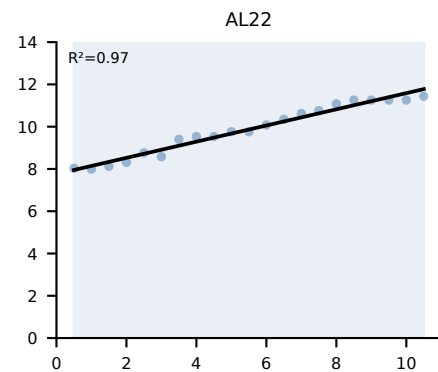
Time [min]

Fig S3 - Mitosis P-P: linear fits (R^2 + speed + movement time)

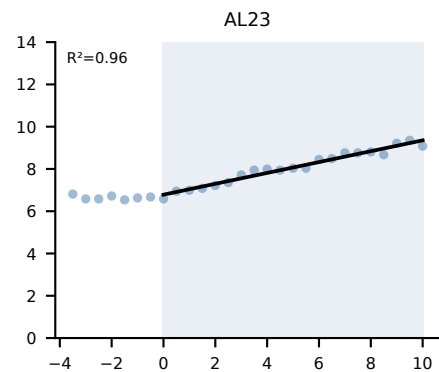
Distance [μm]



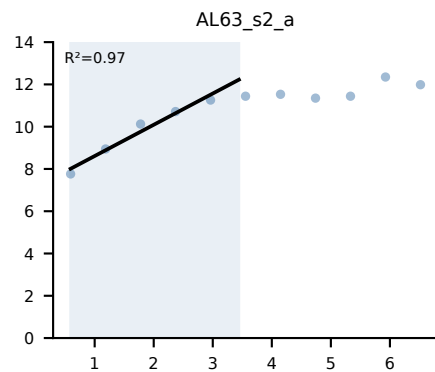
$v=0.76 \mu\text{m/min} \cdot 8.2 \text{ min}$



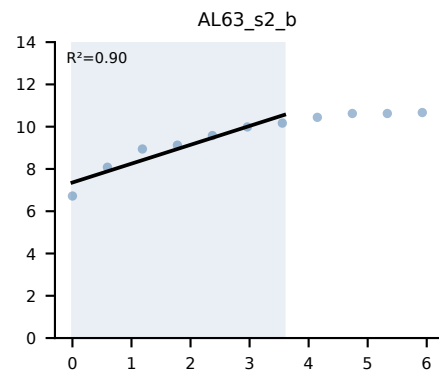
$v=0.38 \mu\text{m/min} \cdot 10.0 \text{ min}$



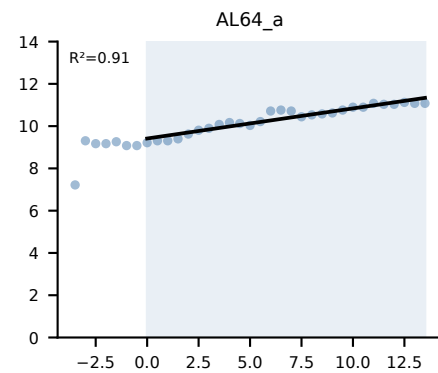
$v=0.26 \mu\text{m/min} \cdot 10.0 \text{ min}$



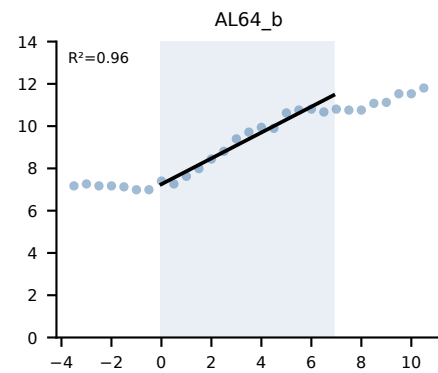
$v=1.48 \mu\text{m/min} \cdot 2.8 \text{ min}$



$v=0.89 \mu\text{m/min} \cdot 3.6 \text{ min}$



$v=0.14 \mu\text{m/min} \cdot 13.5 \text{ min}$

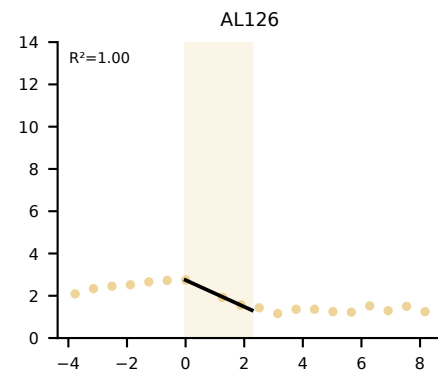


$v=0.61 \mu\text{m/min} \cdot 6.9 \text{ min}$

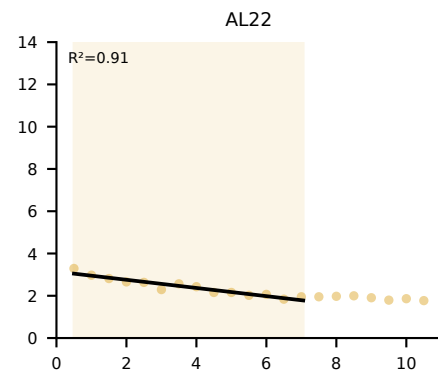
Time [min]

Fig S3 - Mitosis P-C: linear fits (R^2 + speed + movement time)

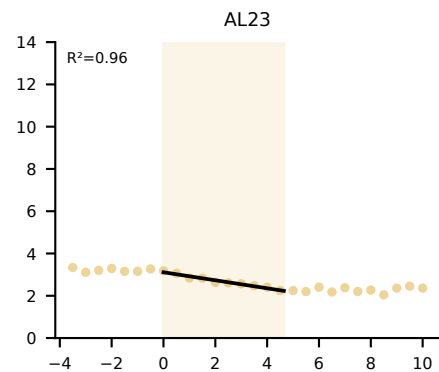
Distance [μm]



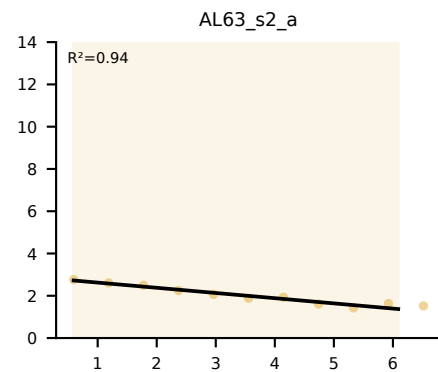
$v=-0.63 \mu\text{m}/\text{min} \cdot 2.3 \text{ min}$



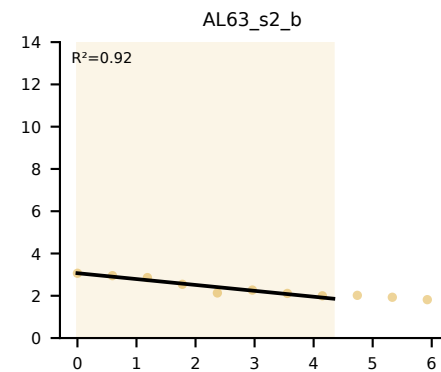
$v=-0.19 \mu\text{m}/\text{min} \cdot 6.6 \text{ min}$



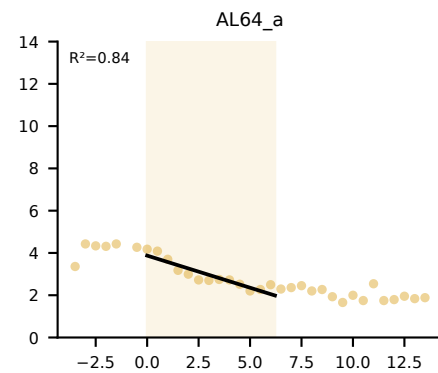
$v=-0.19 \mu\text{m}/\text{min} \cdot 4.6 \text{ min}$



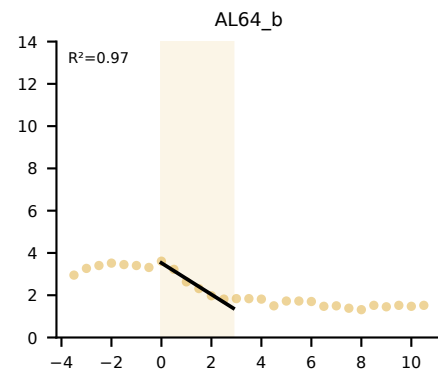
$v=-0.25 \mu\text{m}/\text{min} \cdot 5.5 \text{ min}$



$v=-0.28 \mu\text{m}/\text{min} \cdot 4.3 \text{ min}$



$v=-0.30 \mu\text{m}/\text{min} \cdot 6.2 \text{ min}$



$v=-0.74 \mu\text{m}/\text{min} \cdot 2.9 \text{ min}$

Time [min]