**Figure 6: Elkin1-KO cells exhibit decreased migration on 2D and *quasi*-1D substrates**

**Figure 6C,D**

|  |
| --- |
| **2D LM511 Track mean speed (µm/min)** |
|  | **WT** | **KO** |
| N (tracks)Mean ± s.e.m.Mean CI (95%)MedianQuartilesMedian CI (95%) | 2460.383 ± 0.0110.361 – 0.4040.3560.256 – 0.4670.319 – 0.392 | 3400.275 ± 0.0090.257 – 0.2940.2400.173 – 0.3300.211 – 0.240 |
| **2D PLL Track mean speed (µm/min)** |
|  | **WT** | **KO** |
| N (tracks)Mean ± s.e.m.Mean CI (95%)MedianQuartilesMedian CI (95%) | 2400.270 ± 0.0070.256 – 0.2830.2630.180 – 0.3470.240 – 0.279 | 2410.189 ± 0.0050.180 – 0.1990.1800.120 – 0.2400.170 – 0.180 |
| **2D LM511 Euclidean distance (µm)** |
|  | **WT** | **KO** |
| N (tracks)Mean ± s.e.m.Mean CI (95%)MedianQuartilesMedian CI (95%) | 2460.357 ± 0.0160.326 – 0.3880.2980.182 – 0.4860.266 – 0.337 | 3400.267 ± 0.0140.238 – 0.2950.1850.097 – 0.3200.169 – 0.200 |
| **2D PLL Euclidean distance (µm)** |
|  | **WT** | **KO** |
| N (tracks)Mean ± s.e.m.Mean CI (95%)MedianQuartilesMedian CI (95%) | 2400.222 ± 0.0120.200 – 0.2450.1820.095 – 0.2920.165 – 0.206 | 2410.169 ± 0.0070.154 – 0.1830.1360.090 – 0.2280.127 – 0.156 |

**Figure 6F**

|  |
| --- |
| ***quasi*-1D LM511 Track mean speed (µm/min)** |
|  | **WT** | **KO** |
| N (tracks)Mean ± s.e.m.Mean CI (95%)MedianQuartilesMedian CI (95%) | 2601.173 ± 0.0271.120 – 1.2271.1400.84 – 1.441.08 – 1.26 | 2750.938 ± 0.0260.886 – 0.9890.9600.60 – 1.260.84 – 1.02 |