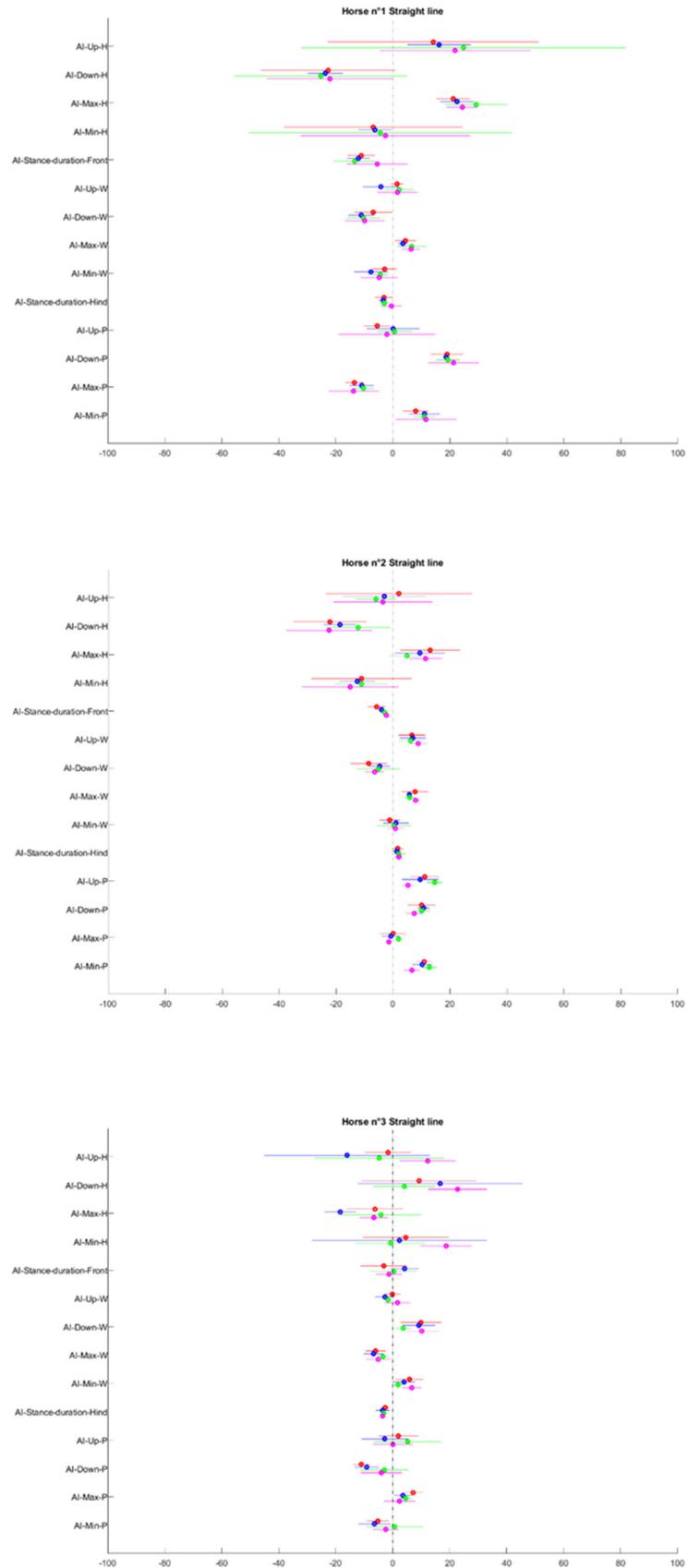
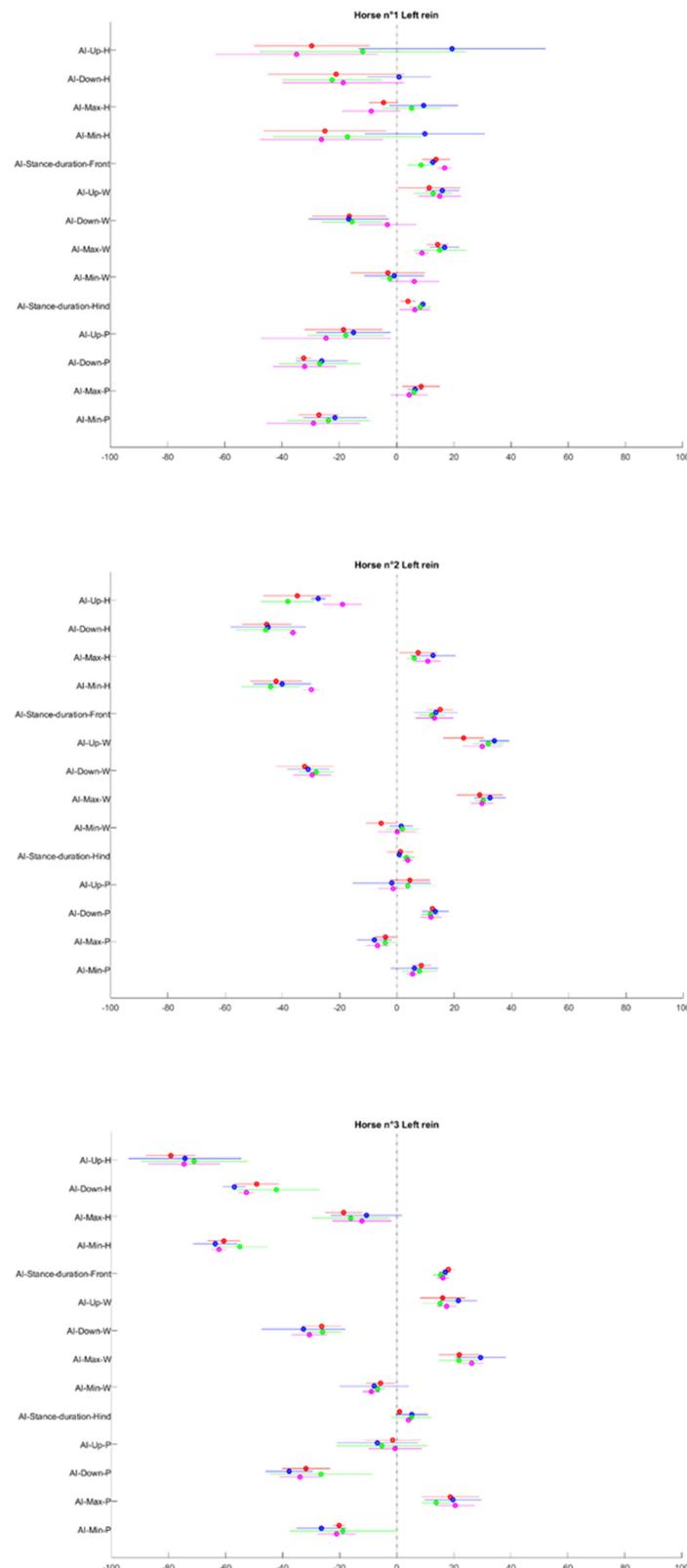


## Supplementary materials:



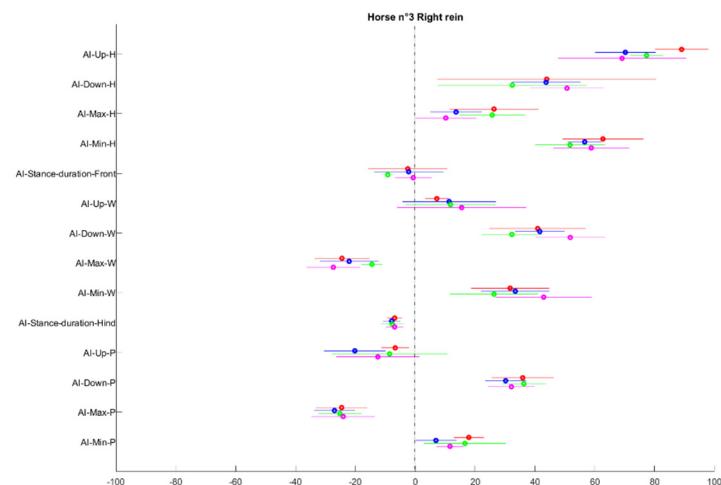
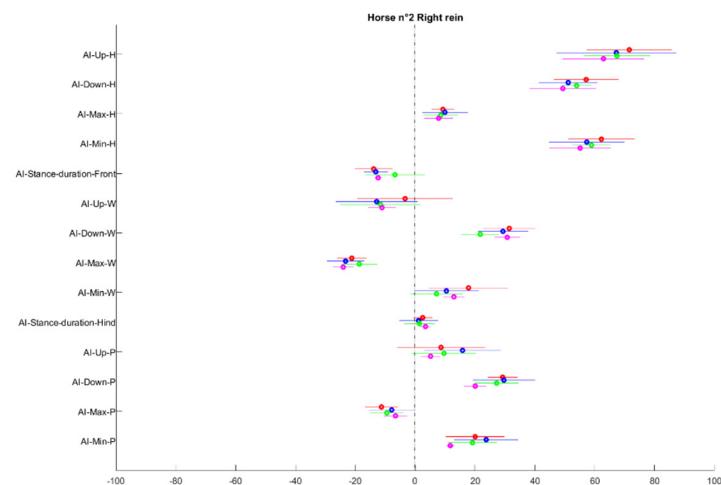
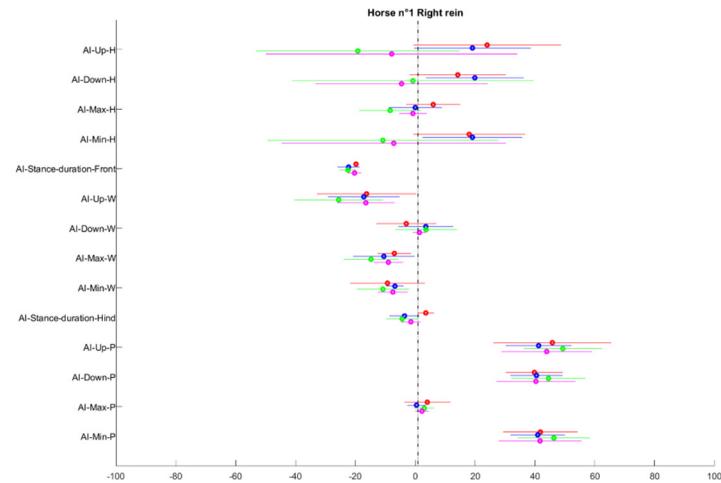
**Figure S1.** Asymmetry indexes (mean and SD) measured on the head (-H), the withers (-W) and the

pelvis (-P) of three horses trotting **on a straight line** by four operators (operator A: red dot, operator B: blue dot, operator C: green dot and operator D: magenta dot) repeating 12 times the measurements for each horse, after systematically repositioning the sensors at each recording.



**Figure S2.** Asymmetry indexes (mean and SD) measured on the head (-H), the withers (-W) and the pelvis (-P) of three horses trotting **on a left rein circle** by four operators (operator A: red dot,

operator B: blue dot, operator C: green dot and operator D: magenta dot) repeating 12 times the measurements for each horse, after systematically repositioning the sensors at each recording.



**Figure S3.** Asymmetry indexes (mean and SD) measured on the head (-H), the withers (-W) and the pelvis (-P) of three horses trotting **on a right rein circle** by four operators (operator A: red dot,

operator B: blue dot, operator C: green dot and operator D: magenta dot) repeating 12 times the measurements for each horse, after systematically repositioning the sensors at each recording.