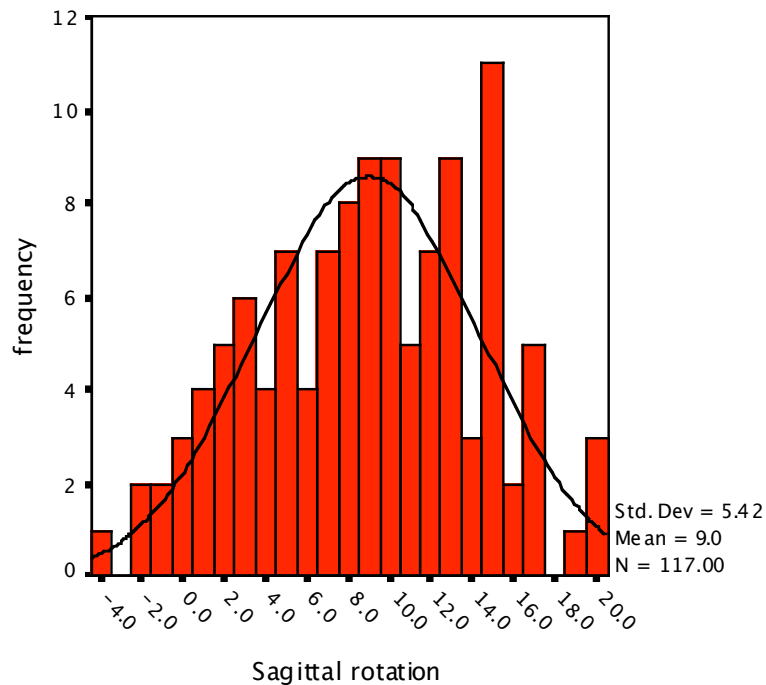
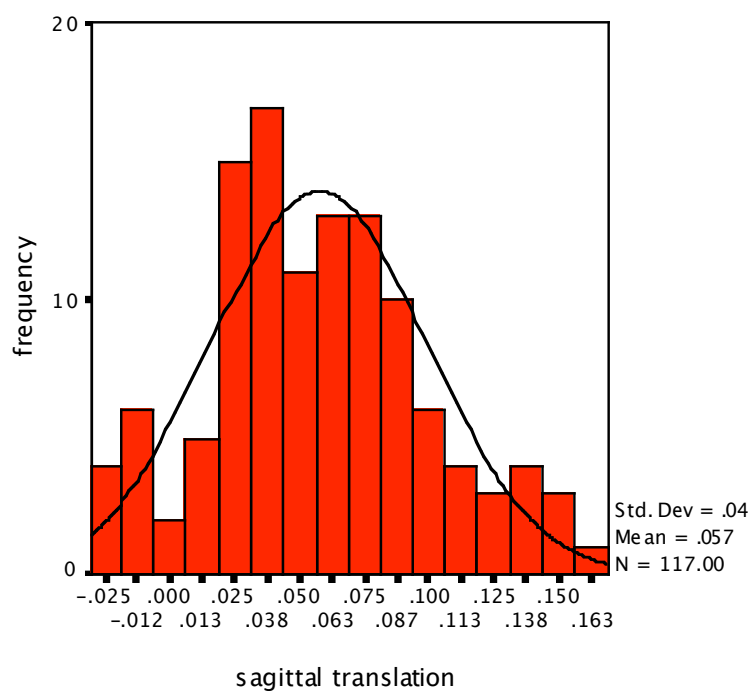


## Additional files

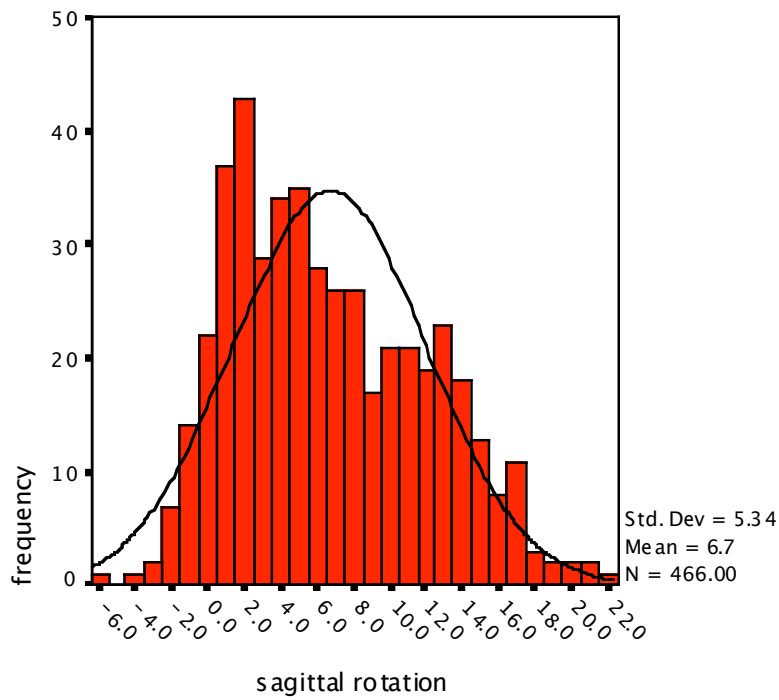
### Section 1 - Distribution of sagittal rotation data for all segments (L2-S1) of the asymptomatic reference sample, with a Normal probability curve overlaid.



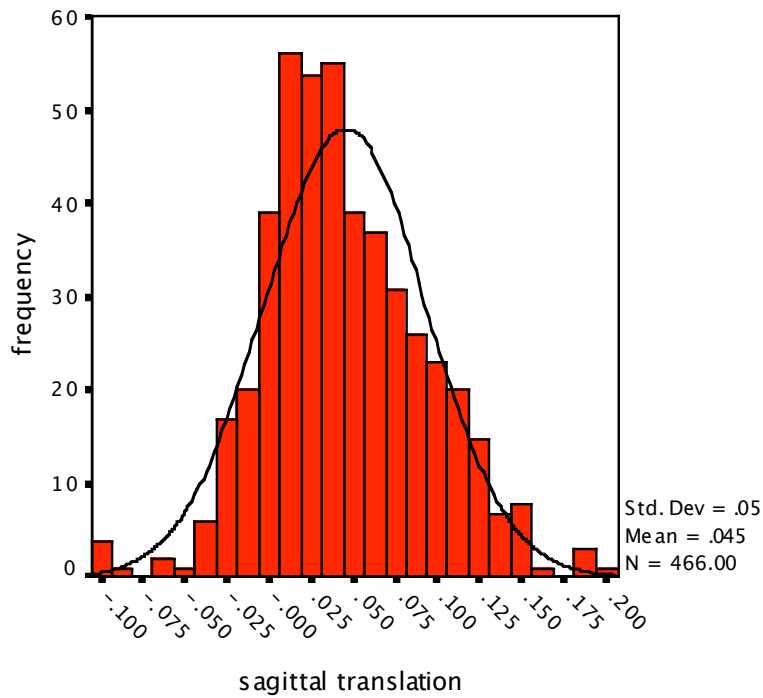
### Section 2 - Distribution of sagittal translation data for all segments (L2-S1) of the asymptomatic reference sample, with a Normal probability curve overlaid.



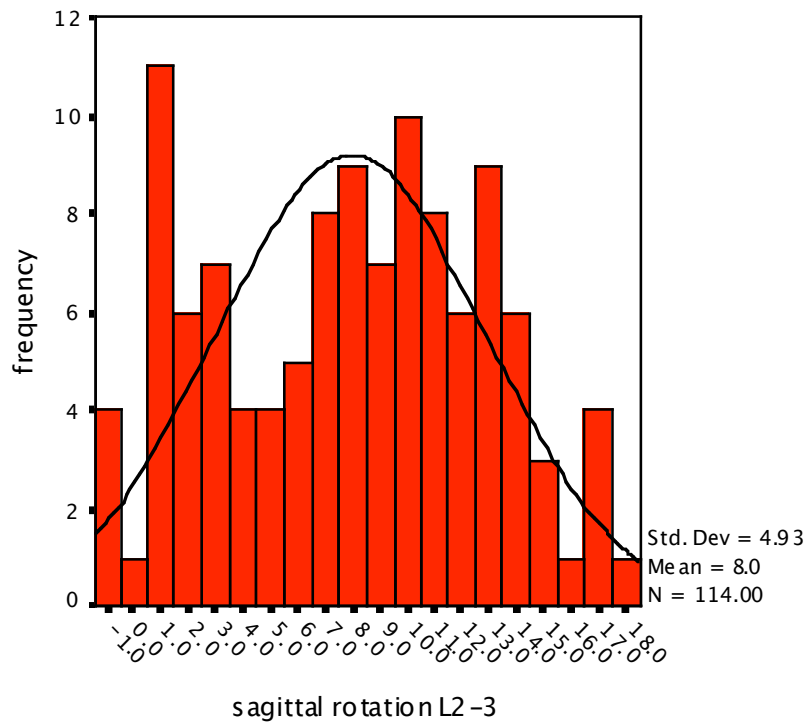
**Section 3 - Distribution of sagittal rotation mobility data for all segments (L2-S1) from the RCLBP cohort, with a Normal probability curve overlaid.**



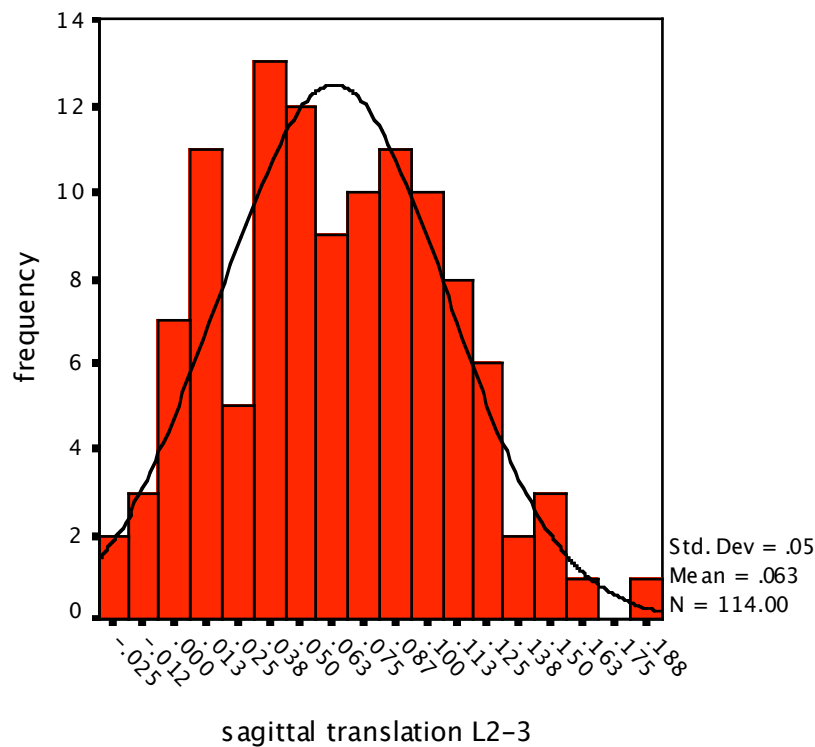
**Section 4 Distribution of sagittal translation mobility data for all segments (L2-S1) from the RCLBP cohort, with a Normal probability curve overlaid.**



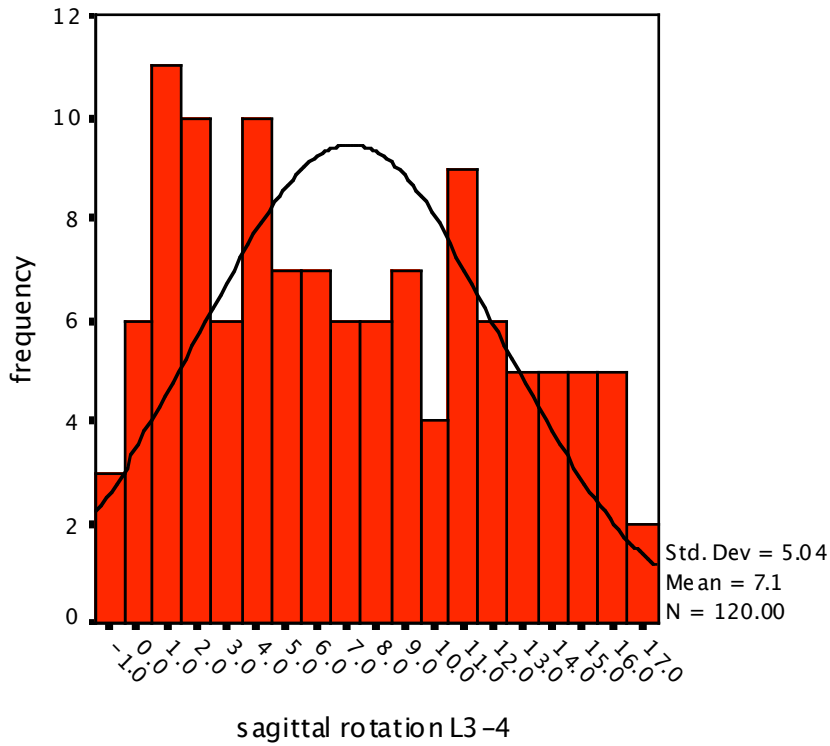
### Section 5 – Rotation L2-3: RCLBP cohort



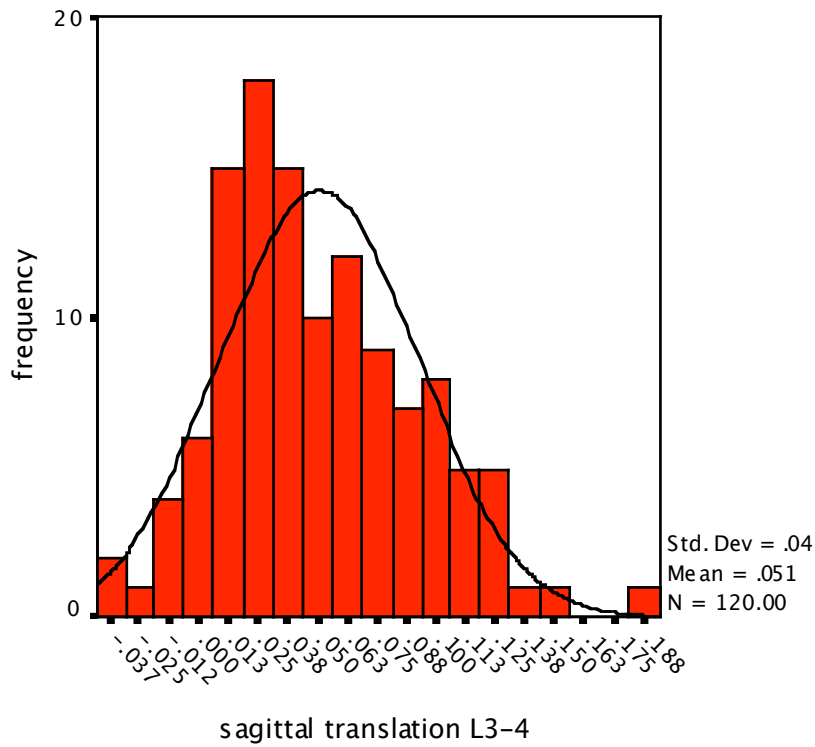
### Section 6 - Translation L2-3: RCLBP cohort



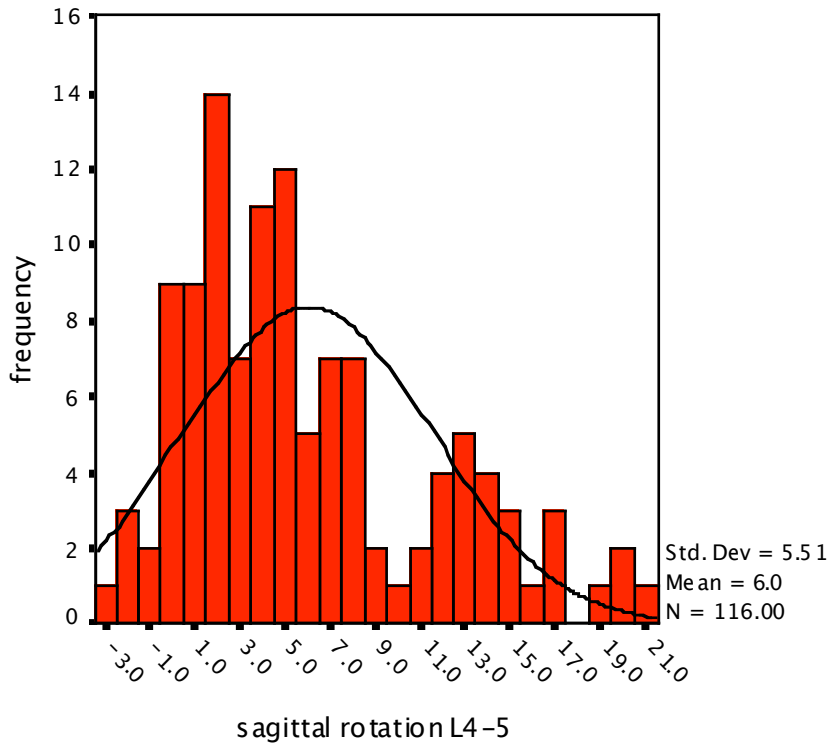
### Section 7 - Rotation L3-4: RCLBP cohort



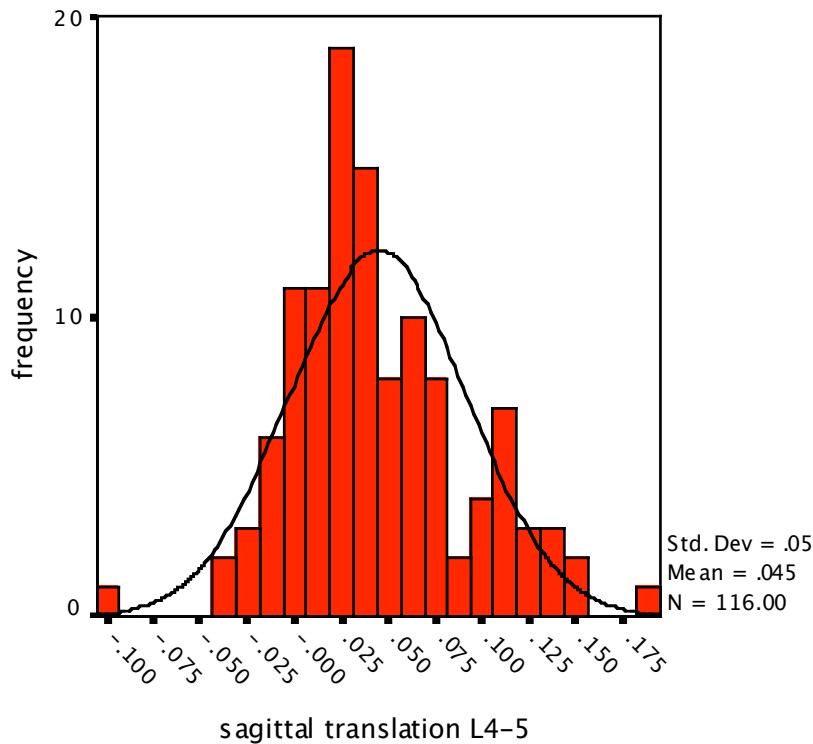
### Section 8 - Translation L3-4: RCLBP cohort



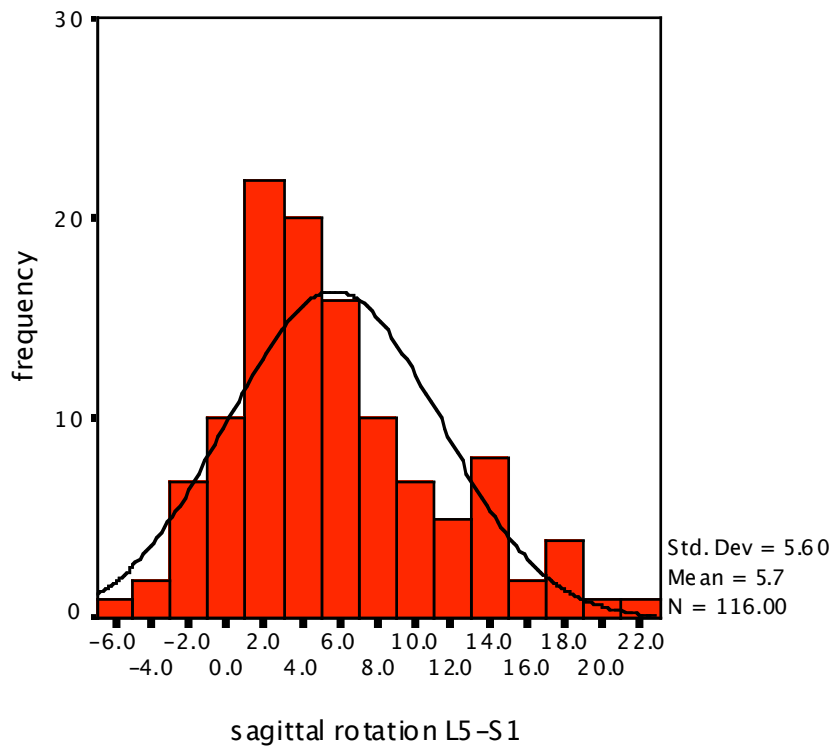
### Section 9 - Rotation L4-5: RCLBP cohort



### Section 10 - Translation L4-5: RCLBP cohort



### Section 11 - Rotation L5-S1: RCLBP cohort



### Section 12 - Translation L5-S1: RCLBP cohort

