

## **Hypomorphic conditional deletion of E11/Podoplanin reveals a pivotal role in osteocyte dendrite elongation**

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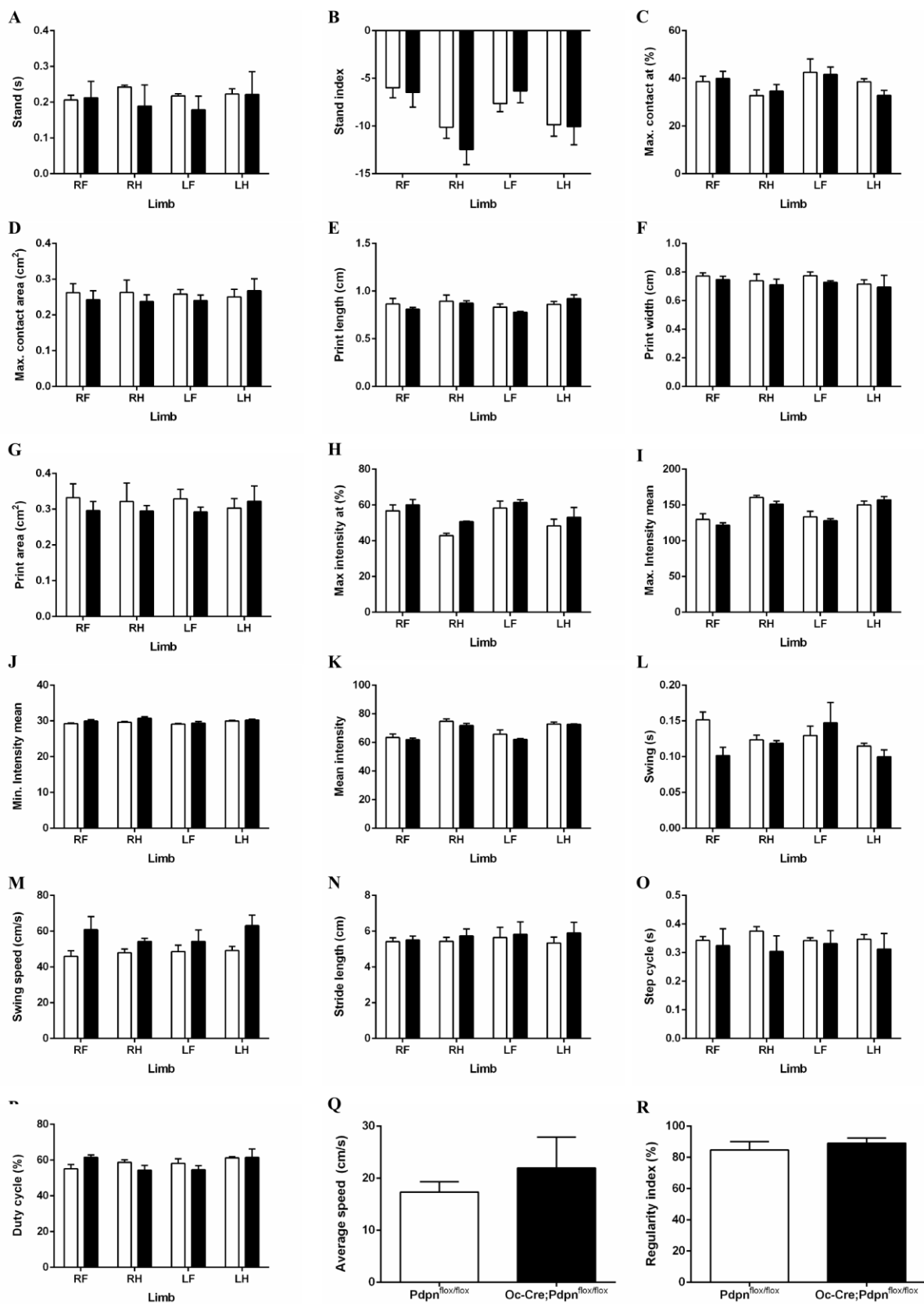
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**Suppl Fig 1.** Gait analysis of 6-week old male fl/fl and cKO mice (n=4/genotype/sex). Data are represented as mean  $\pm$  S.E.M



**Suppl. Table 1.** Gait parameters explored in this study

<b>Paw Parameter</b>	<b>Explanation</b>
Stand (s)	The duration in seconds of contact of a paw with the glass plate
Stand Index	The speed at which the paw loses contact with the glass plate
Max Contact At (%)	$(\text{Max Contact At (s)} - \text{Initial Contact At (s)}) / \text{Stand (s)} \times 100\%$ Max Contact At (s) : the time in seconds since the start of the run that a paw makes maximum contact with the glass plate
Max Contact Area (mm <sup>2</sup> )	The maximum area of a paw (in the Distance Unit) that comes into contact with the glass plate
Print Length (mm)	The length (horizontal direction) of the complete print
Print Width (mm)	The width (vertical direction) of the complete paw print
Print Area (mm <sup>2</sup> )	The surface area of the complete print
Max Intensity At (%)	$(\text{Max Intensity At (s)} - \text{Initial Contact At (s)}) / \text{Stand (s)} \times 100\%$ Max Intensity At (s): the time in seconds since the start of the run that the maximum intensity is measured
Maximum Intensity mean	The mean maximum intensity of the complete paw
Minimum Intensity mean	The mean minimum intensity of the complete paw
Mean Intensity	The mean intensity of the complete paw
Swing (s)	The duration in seconds of no contact of a paw with the glass plate
Swing Speed (cm/s)	The speed of the paw during Swing: $\text{Stride Length} / \text{Swing}$
Stride Length (cm)	The distance between successive placements of the same paw
Step Cycle (s)	The time in seconds between two consecutive Initial Contacts of the same paw: Stand + Swing
Duty Cycle (%)	Stand as a percentage of Step Cycle: $\text{Stand} / (\text{Stand} + \text{Swing}) \times 100\%$
Average speed (cm/s)	The average speed of the run
Regularity index (%)	The number of normal step sequence patterns relative to the total number of paw placements