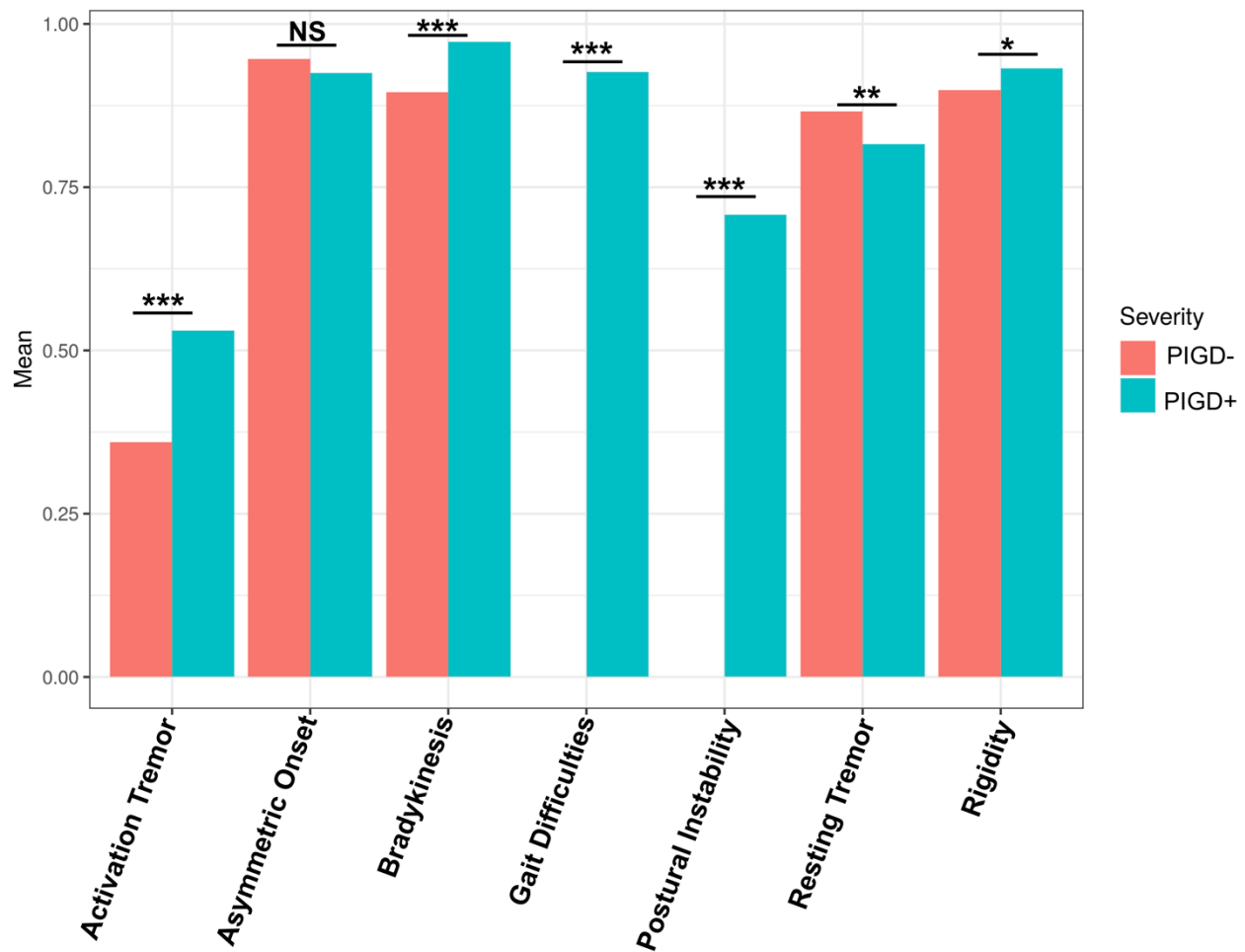**Supplementary Figure 1. KIR allele/HLA ligand pairs in PD cases and controls**.

Uncorrected p-values for *KIR* alleles with their corresponding ligands. Each allele/ligand pair is represented by a circle and each grid line indicates the KIR allele. Respective ligands are shown by color: HLA-A3/A11 (red), HLA-Bw4 (brown), HLA-Bw4i (green), HLA-C1 (cyan), HLA-C2 (blue) and no known ligand (pink). The distance from the center of the circle is 1 – p-value. A p-value of 1 lies in the center of the circle and an uncorrected p-value of 0.05 is indicated by the dotted line around the circle.

Supplementary Figure 2. Symptoms present in manually clustered groups of PD patients.

Mean number of patients (y – axis) presenting specific symptoms (x – axis) in "mild" (red bars) and "severe" (blue bars) PD categories. Means between groups were compared by t-test, p-value significance levels indicated below. For detailed information, see Supplementary Table 2.

*$p < 0.05$
**$p < 0.001$
*** $p < 1 \times 10^{-5}$

	PIGD- mean(sd)	PIGD+ mean(sd)	*p*-value
Activation Tremor	0.36 (0.48)	0.53 (0.50)	5.3×10^{-8}
Asymmetric Onset	0.95 (0.22)	0.93 (0.26)	0.0829
Bradykinesis	0.89 (0.31)	0.97 (0.16)	9.5×10^{-8}
Gait Difficulties	0.00 (0.00)	0.93 (0.26)	2.2×10^{-16}
Postural Instability	0.00 (0.00)	0.71 (0.46)	2.2×10^{-16}
Resting Tremor	0.87 (0.34)	0.82 (0.39)	0.0057
Rigidity	0.90 (0.30)	0.93 (0.25)	0.0395

Supplementary Table 2. Symptoms present in manually clustered groups of PD patients.
For data visualization, see Supplementary Figure 2.