**A**

Paralyzed Uncoordinated Flagellar assembly
- IC140
- PF16
- CFAP44
- CFAP43
- RSP4/6
- dDC2
- IFT88 ***

Disrupted PFR Mild motility effects
- LmxM.21.1110
- LC4-like
- ARL-3A
- BBS2
- LmxM.23.1020
- PMM ***
- LmxM.17.0870
- GDP ***
- KHARON1 *
- PMI ***

Flagellar membrane and membrane targeting
- LPG1
- PM
- GDP
- PMI
- SBL1
- SBL2
- SBL3
- SBL4
- SBL5

**B**

Fitness of Leishmania mutants in promastigote culture

Doubling time over 24h starting with 1·10^6 cells/ml

Parental

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S12 Figure