GLM Weight Interpretation Guide with Genotype Implications

GLM Weights by State Category\n(Positive = Bias toward Right)

	bias	prev_choice	wsls	session_progression	recent_side_bias	task_stage	cumulative_experience
Engaged	-0.00	-0.14	-0.03	-0.11	-0.16	-0.41	-0.30
Lapsed	-0.00	0.05	-0.11	-0.12	-0.26	0.10	-0.35
Mixed	0.00	-0.19	-0.01	-0.21	-0.13	-0.19	-0.32

ENGAGED STATE
- Interpretation guide
- High accuracy (>65%)
- Strong WSLS usage
- Consistent latencies
- Appropriate stimulus use

Genotype Implications:
→ WT/+ animals show stable engagement
→ -/- animals have shorter, less frequent engaged bouts
→ Reflects attentional capacity & motivation

LAPSED STATE
- Low accuracy (<60%)
- Weak WSLS strategy
- Variable latencies
- Side bias emerges
- Reduced stimulus weight

Genotype Implications:
→ -/- genotype shows more frequent lapses
→ Longer lapse duration
→ Difficulty re-engaging
→ Impaired sustained attention

MIXED STATE
- Moderate accuracy
- Transitional dynamics
- Variable strategy use
- Context-dependent
- Learning-related

Genotype Implications:
→ Early training state
→ Strategy exploration
→ Task acquisition phase
→ Individual variability in stabilization