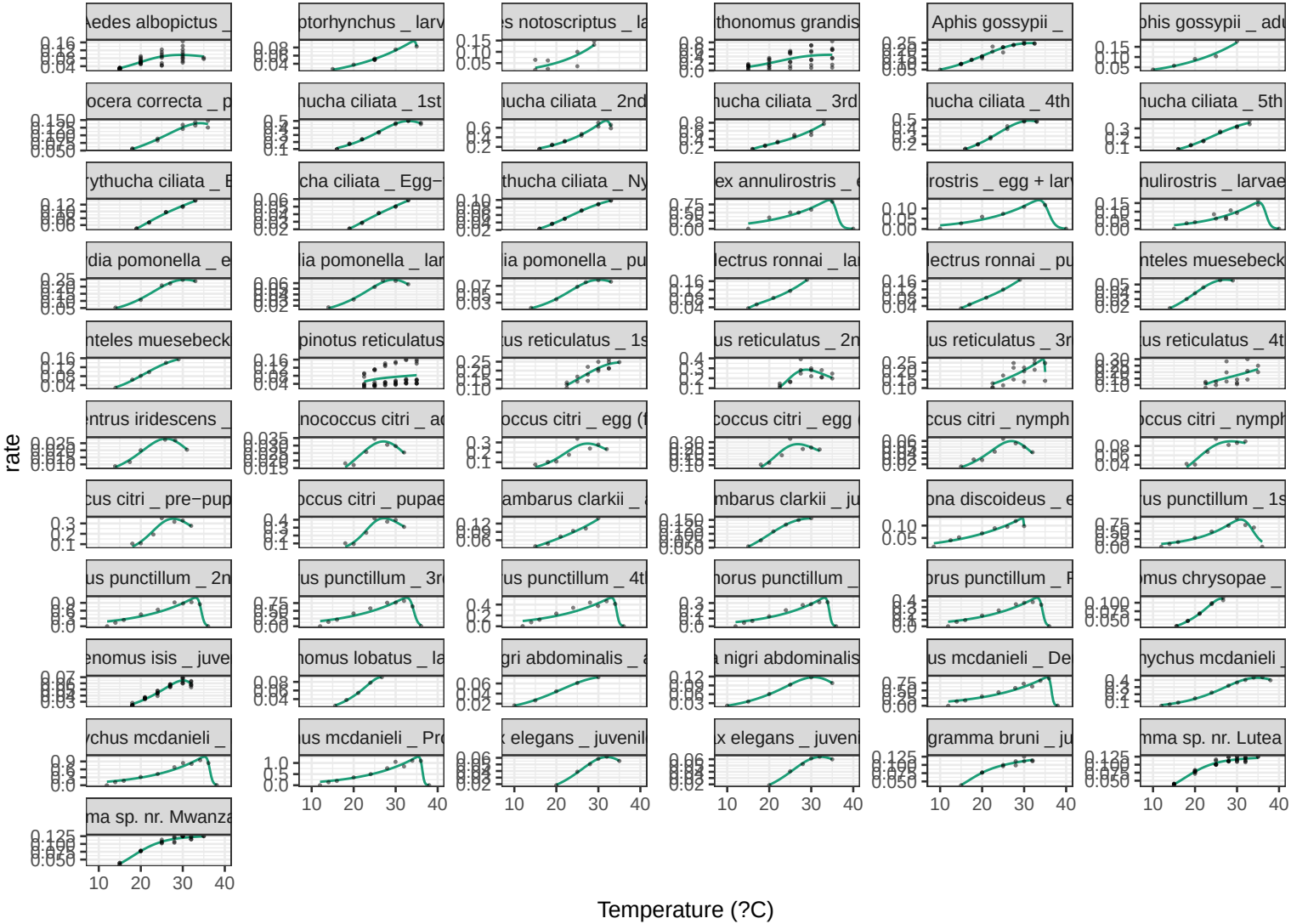Dev rate thermal performance curves