

Supplemental Table 4. Neurobehavioral test battery (NBT) outcomes of infant monkeys exposed to vedolizumab *in utero*.

Parameter	Group 1		Group 2		Group 3	
	Vedolizumab		Vedolizumab		Vedolizumab	
	0 mg/kg/day Q2W		10 mg/kg/day Q2W		100 mg/kg/day Q2W	
	PPD 1	PPD 7	PPD 1	PPD 7	PPD 1	PPD 7
	N=7	N=7	N=7	N=7	N=10	N=10
Respiration rate, mean (SD), breaths/min	83 (15)	96 (20)	97 (14)	99 (11)	88 (17)	92 (11)
Observed postural tonus ^{a,b}						
Rt hip abduction, % Grade 2	100	100	100	100	100	100
Lt hip abduction, % Grade 2	100	100	100	100	100	100
Rt knee flexed, % Grade 2	100	100	100	100	100	100
Lt knee flexed, % Grade 2	100	100	100	100	100	100
Rt toes flexed, % Grade 2	100	100	100	100	100	100
Lt toes flexed, % Grade 2	100	100	100	100	100	100

Rt shoulder						
abducted,	100	100	100	100	100	100
% Grade 2						
Lt shoulder						
abducted,	100	100	100	100	100	100
% Grade 2						
Rt elbow flexed,						
% Grade 2	100	100	100	100	100	100
Lt elbow flexed,						
% Grade 2	100	100	100	100	100	100
Rt finger flexed						
% Grade 1	0	14	0	0	0	0
% Grade 2	86	86	100	100	100	100
Lt finger flexed,						
% Grade 2	100	100	100	100	100	100
Head extended,						
% Grade 2	100	100	100	100	100	100
Grasp support,						
% Grade 2 ^c	100	100	100	100	100	100
Righting reflex, ^d						
% Grade 1	29	0	0	0	0	0
% Grade 2	71	100	100	100	100	100

Prone progression, ^e						
% Grade 1	14	0	43	0	40	0
% Grade 2	71	100	57	100	60	100
Buildup (1), ^f						
% Grade 1	14	71	29	29	40	30
% Grade 2	0	0	0	14	0	40
% Grade 3	0	0	0	0	0	0
Following of eyes, ^g						
% Grade 1	14	14	14	29	20	40
% Grade 2	14	29	57	14	30	50
Lipsmack orient, ^h						
% Grade 1	0	0	0	0	10	10
% Grade 2	100	86	100	100	90	90
Sucking, ⁱ						
% Grade 1	43	43	29	43	33	70
% Grade 2	43	29	71	0	67	30
Rooting, ^j						
% Grade 1	14	0	0	29	20	10
% Grade 2	29	0	43	0	40	60
Snout reflex, ^k						
% Grade 1	14	14	14	0	0	10
% Grade 2	57	0	43	14	80	60

Nystagmus, ⁱ						
% Grade 2	100	100	100	100	100	100
Moro reflex, ^m						
% Grade 1	0	0	0	0	10	0
% Grade 2	100	100	100	86	90	100
Buildup (2), ⁿ						
% Grade 1	57	71	14	43	40	70
% Grade 2	14	14	29	29	10	20
% Grade 3	0	0	0	0	0	0

Lt, left; PPD, postpartum day; Rt, right.

^a Data shown are observed responses; identical results were obtained for elicited responses.

^b Postural tonus (observed): Grade 1 = joints bent at least 90 degrees; Grade 2 = joints bent so that sides touch.

^c Grasp support: Grade 1 = grasps but releases when dowel is pulled away; Grade 2 = supports body weight on the dowel when it is pulled up.

^d Righting reflex: Grade 1 = rights after five seconds, does not pull all limbs free; Grade 2 = rights immediately and pulls all limbs free.

^e Prone progression: Grade 1 = crawls on ventrum, tummy touches table; Grade 2 = stands and walks forward.

^f Buildup (1): Grade 1 = increased activity, struggles, vocalizations; Grade 2 = agitated, scream, vocalizations; Grade 3 = very agitated with spontaneous whole-body startle.

^g Following of eyes: Grade 1 = follows, but breaks eye contact; Grade 2 = follows fluidly from one side to another.

^h Lipsmack orient: Grade 1 = one side only, or very slow; Grade 2 = both sides and quickly.

ⁱ Sucking: Grade 1 = mouthing or biting; Grade 2 = sucking.

^j Rooting: Grade 1 = partial, weak, or delayed; Grade 2 = complete, rapid, and strong.

^k Snout reflex: Grade 1 = partial, weak, or delayed; Grade 2 = complete, rapid, and strong.

^l Nystagmus: Grade 1 = partial, weak, or delayed; Grade 2 = complete, rapid, and strong.

^m Moro reflex: Grade 1 = partial or weak response; Grade 2 = animal shows full extension and rapid flexion.

ⁿ Buildup (2): Grade 1 = increased activity, struggles, vocalizations; Grade 2 = agitated, scream, vocalizations; Grade 3 = very agitated with spontaneous whole-body startle.