UR ETHANOL INTAKE (g/kg) CALCULATIONS	2, 1325 011	0. 1.010							
CONSTANTS NEEDED:	VALUE	LINUT							
	VALUE	UNIT							
Avg g EtOH/Lick (g)	0.00245	g/lick							
Density 20% ethanol (D20e):	0.97336	g/mL							
Density of ethanol (De):	0.789	g/mL							
File Name	Mouse	DATA (Q)	E Day	# Licks	Mouse Weight (kg)	W byLick (g)	Vc-E20% (mL)	Intake (g/kg)	
OA6-RecDay3-011416 sub-CH13ABnoC-FIN 1ABC.nex5	OA6	1	21	531	0.035	1.301668325	0.2675	6.03	
OA5-RecDay4-012016_FIN.nex5	OA5	3	22	769	0.035	1.885090287	0.3873	8.73	
OA5-RecDay3-011216-FIN.nex5	OA5	4	21	344	0.035	0.843265356	0.1733	3.91	
OA4-RecDay4-012116-POSTMINCUT-noisey_FIN.nex5	OA4	6	22	778	0.035	1.907152462	0.3919	8.83	
OA3-RecDay2-01092016-QuickClean-2ALick FIN.nex5	OA3	9	21	880	0.035	2.157190445	0.4432	9.99	
CeACRFOA2-5 RD5 12122016 FULL SESSION Ch0030407 FIN.nex5	OA2.5	11	25	687	0.035	1.684079359	0.3460	7.80	
ACRFOA2-5 RD4 10042016 - FULL SESSION- ROUGH CUT - FIN+DIDInts.nex5	OA2.5	12	10	199	0.035	0.487819203	0.1002	2.26	
CeA CRF OA2-5 RD3 09072016-DID1_spl_001_merged-QUICK FIN.nex5	OA2.5	14	1	24	0.035	0.058832467	0.0121	0.27	
CeA CRF OA2-4 RD3 08312016-FULL SESSION-FIN.nex5	OA2.4	15	1	911	0.035	2.233182381	0.4589	10.34	
CRF OA2-3 RD4 09272016-FULL SESSON FIXED-SPK15-16iffygood-16 AB ONLY-FIN+DIDints.nex5	OA2.3	16	6	968	0.035	2.37290949	0.4876	10.99	
CeA CRF OA2-3 RD3 08302016- FULL SESSION-FIN.nex5	OA2.3	17	1	371	0.035	0.909451881	0.1869	4.21	
CeA CRF OA2-2 RD3 08262016-DID1_spl_001_merged-FIN.nex5	OA2.2	18	1	656	0.035	1.608087423	0.3304	7.45	
CeA CRF OA2-1 RecDay 3B-08252016-EtOH- FULL SESSION-ALL FIN.nex5	OA2.1	19	1	1037	0.035	2.542052831	0.5223	11.77	
CeA CRF OA2-1 RD4 09202016-FIXED FULL SESS_FIN.nex5	OA2.1	21	5	786	0.035	1.926763284	0.3959	8.92	
CeA CRF OA3-1_07262017_EtOH_FULL DID SESS_FIN.nex5	OA3.1	22	8	1000	0.035	2.451352779	0.5037	11.35	
A CRF OA3-2_07282017_EtOH-FULL DID SESS-PostXChan-v1_tested_FIN.nex5	OA3.2	23	9	1109	0.035	2.718550231	0.5586	12.59	
CeA CRF OA 3-5_08092017_FULL DID SESS-FIN+DIDSessionInts.nex5	OA3.5	24	9	331	0.035	0.81139777	0.1667	3.76	
							1		

CORRECTED	EQUATION USED				
Wilcox, M. V. et al. Repeated Binge-Like Ethanol Drinking Alters Ethanol Drinking Patterns	and Depresses Striatal GABAergic Transmission. Neuropsychopharmacology 39, 579–594 (2014).				
ORIGINAL EQN:	PROBLEM: Values WAY too high for mice (in 10s of g/kg)				
Vol 20% EtOH consumed (Vc) =((W_final-W_initial)-W_waste)/(D20e)					
I(g/kg) = <mark>(Vc x De</mark> )) / MouseWeight(kg)	ERROR IN EQUATION:,				
	THEY DID NOT ACCOUNT FOR Vc of EtOH = Vc * 20%				
CORRECTED EQUATION:					
I (g/kg) = (Vce x De)/MW					
Vce= (Wi-Wf [-Waste])*D20e*0.2					
FOR OUR EXPERIMENTS, WE CALCULATE Vc BASED ON # OF LICKS	OUR EQUATION (BASED ON # OF LICKS)				
20% EtOH Consumed (g) / # Licks	Vce= (# of licks * g/Licks) * D20e * 0.2				
0.002451353	Intake (g/kg) = (Vce X De)/ Mw (kg)				
*My Calculating g/kg Ethanol Intake from Gra	ams of 20% EtOH Consumed				
ORIGINAL EQUATION:  I(g/kg) = (Vc x De) / MW(in kg)  Intake = volume consumed(Vc) X der  (in kg)  Density of ethanol=0.789 g/ml	nsity of ethanol(De) , divided by mouse weight(MW)				
eqn] * density of 20% ethanol Density of 20% ethanol = 0.97336 g/r Vc is NOT the same value used in the					
• CORRECTED EQUATION :  ○ I (g/kg) = (Vce x De)/MW  • Vce= (Wi-Wf [-Waste])*D20e*0.2	2				