Brief Article

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$$y_i = \beta_0 + \beta_1 Age_i + beta_2 App_i + \beta_{12} Age_i \cdot App_i + \beta_3 batch_i + \epsilon_i$$

Table 1:

	sample	cell type
1	WT4m	Int1
2	WT5m	Oligo3,Mgl2
3	WT6m	Oligo3,Mgl2
4	APP2m	CA2Pyr2
5	APP5m	Int1
6	APP6m	Choroid,Epend

Table 2:

	WT4m	WT5m	WT6m	APP2m	APP5m	APP6m
WT4m	1	0	0	0	1	0
WT5m	0	2	2	0	0	0
WT6m	0	2	2	0	0	0
APP2m	0	0	0	1	0	0
APP5m	1	0	0	0	1	0
APP6m	0	0	0	0	0	2

Table 3:

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	10.498	0.019	564.206	0
age4m	-0.011	0.024	-0.451	0.654
age5m	-0.037	0.022	-1.695	0.096
age6m	-0.062	0.024	-2.563	0.013
groupAPP	0.969	0.027	35.235	0
batchmouse	-0.040	0.020	-2.018	0.049
age4m:groupAPP	0.040	0.035	1.141	0.259
age5m:groupAPP	0.051	0.033	1.558	0.126
age6m:groupAPP	0.024	0.037	0.659	0.513