

SUPPLEMENTARY TABLES

Prenatal Dexamethasone Enhances the Developmental Neurotoxicity of Chlorpyrifos: Implications for Vulnerability after Pharmacotherapy for Preterm Labor

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SUPPLEMENTAL TABLE 1: Body Weights (mean ± SE)

Postnatal Age	Male Body Weight (grams)				Female Body Weight (grams)			
	Control	Dex	CPF	Dex+CPF	Control	Dex	CPF	Dex+CPF
1	7.3 ± 0.1	6.4 ± 0.1	7.3 ± 0.1	6.5 ± 0.1	6.9 ± 0.1	6.2 ± 0.1	6.9 ± 0.1	6.2 ± 0.1
2	8.3 ± 0.1	6.9 ± 0.1	8.0 ± 0.1	6.8 ± 0.1	7.7 ± 0.1	6.6 ± 0.1	7.4 ± 0.1	6.7 ± 0.1
3	9.1 ± 0.1	7.8 ± 0.1	8.9 ± 0.1	7.9 ± 0.1	8.7 ± 0.1	7.4 ± 0.1	8.4 ± 0.1	7.4 ± 0.1
4	10.5 ± 0.1	9.2 ± 0.1	10.1 ± 0.1	9.4 ± 0.1	9.9 ± 0.1	8.7 ± 0.1	9.7 ± 0.1	8.6 ± 0.1
7	15.3 ± 0.1	13.9 ± 0.1	14.9 ± 0.1	14.2 ± 0.2	14.7 ± 0.2	13.5 ± 0.1	14.4 ± 0.2	13.4 ± 0.2
10	21.3 ± 0.3	20 ± 0.2	20.2 ± 0.4	19.7 ± 0.4	20.5 ± 0.3	19.2 ± 0.2	19.6 ± 0.4	18.8 ± 0.3
14	30.4 ± 0.3	28.8 ± 0.4	29.4 ± 0.5	28.5 ± 0.5	29.5 ± 0.3	27.5 ± 0.3	28.6 ± 0.5	27.5 ± 0.4
17	36.7 ± 0.2	34.9 ± 0.4	35.8 ± 0.6	34.9 ± 0.6	35.6 ± 0.3	33.3 ± 0.5	34.7 ± 0.6	33.4 ± 0.4
21	48.3 ± 0.4	47.3 ± 0.6	49.3 ± 0.5	48.8 ± 0.5	47.3 ± 0.5	45.7 ± 0.6	47.7 ± 0.6	45.7 ± 0.7
30	98 ± 1	92 ± 1	97 ± 1	94 ± 1	91 ± 1	86 ± 1	88 ± 1	86 ± 1
45	242 ± 2	229 ± 3	239 ± 3	231 ± 3	181 ± 2	175 ± 2	178 ± 2	174 ± 3
60	354 ± 5	339 ± 5	348 ± 5	344 ± 4	232 ± 2	218 ± 3	225 ± 3	222 ± 3
80	471 ± 8	449 ± 6	468 ± 8	454 ± 7	271 ± 4	251 ± 5	266 ± 5	257 ± 5
100	539 ± 10	500 ± 10	530 ± 9	519 ± 10	289 ± 4	268 ± 4	279 ± 5	274 ± 4
125	607 ± 18	553 ± 14	585 ± 14	576 ± 14	308 ± 6	282 ± 6	300 ± 10	289 ± 7
150	643 ± 18	580 ± 15	608 ± 16	612 ± 15	314 ± 6	286 ± 6	311 ± 9	294 ± 6

Abbreviations: Dex = Dexamethasone; CPF = Chlorpyrifos

SUPPLEMENTAL TABLE 2: Brain Region Weights (mean ± SE)

Region	Postnatal Age	Male Brain Region Weights (mg)				Female Brain Region Weights (mg)			
		Control	Dex	CPF	Dex+CPF	Control	Dex	CPF	Dex+CPF
frontal/parietal cortex	30	243 ± 5	235 ± 10	237 ± 2	246 ± 5	239 ± 8	238 ± 7	231 ± 7	237 ± 6
	60	276 ± 5	256 ± 13	274 ± 9	266 ± 6	235 ± 13	249 ± 7	251 ± 4	252 ± 6
	100	284 ± 10	289 ± 16	281 ± 7	284 ± 5	268 ± 11	252 ± 12	274 ± 7	273 ± 7
	150	277 ± 9	283 ± 5	281 ± 7	269 ± 11	274 ± 8	284 ± 6	274 ± 13	247 ± 4
temporal/occipital cortex	30	160 ± 3	178 ± 8	167 ± 8	165 ± 6	148 ± 5	154 ± 4	172 ± 4	156 ± 5
	60	201 ± 12	190 ± 7	192 ± 9	191 ± 6	194 ± 6	194 ± 8	186 ± 4	170 ± 13
	100	206 ± 6	198 ± 12	212 ± 7	217 ± 6	187 ± 11	182 ± 7	183 ± 8	185 ± 5
	150	203 ± 8	211 ± 9	204 ± 7	210 ± 13	193 ± 6	184 ± 6	192 ± 8	194 ± 4
hippocampus	30	104 ± 1	98 ± 2	105 ± 2	100 ± 1	99 ± 4	97 ± 3	100 ± 4	102 ± 3
	60	114 ± 5	111 ± 4	119 ± 4	113 ± 3	105 ± 5	98 ± 6	107 ± 4	104 ± 6
	100	131 ± 5	124 ± 3	127 ± 2	132 ± 4	121 ± 5	117 ± 3	120 ± 3	120 ± 3
	150	138 ± 3	132 ± 4	136 ± 3	127 ± 3	122 ± 3	124 ± 2	126 ± 3	124 ± 4
striatum	30	102 ± 6	101 ± 3	96 ± 3	111 ± 5	101 ± 4	107 ± 3	108 ± 6	99 ± 5
	60	112 ± 4	120 ± 3	111 ± 5	111 ± 8	117 ± 5	109 ± 5	110 ± 5	119 ± 8
	100	131 ± 8	127 ± 6	130 ± 4	130 ± 3	132 ± 5	122 ± 6	116 ± 4	126 ± 5
	150	142 ± 5	154 ± 3	141 ± 6	130 ± 4	128 ± 5	134 ± 9	139 ± 5	125 ± 4
midbrain	30	245 ± 5	240 ± 6	236 ± 5	246 ± 4	231 ± 3	231 ± 5	232 ± 2	237 ± 5
	60	302 ± 9	304 ± 8	298 ± 7	298 ± 4	281 ± 5	282 ± 6	269 ± 8	279 ± 5
	100	323 ± 5	307 ± 7	313 ± 9	322 ± 7	302 ± 5	287 ± 4	289 ± 7	286 ± 4
	150	343 ± 5	342 ± 5	349 ± 4	316 ± 9	320 ± 4	312 ± 5	317 ± 4	312 ± 6
brainstem	30	147 ± 5	148 ± 5	143 ± 5	142 ± 6	139 ± 4	138 ± 5	140 ± 2	140 ± 6
	60	205 ± 4	198 ± 3	205 ± 7	191 ± 10	192 ± 4	193 ± 3	183 ± 2	183 ± 7
	100	239 ± 9	232 ± 6	234 ± 6	227 ± 20	221 ± 3	214 ± 7	204 ± 4	199 ± 15
	150	250 ± 5	257 ± 9	258 ± 7	251 ± 7	225 ± 6	226 ± 3	231 ± 8	222 ± 4

Weights for frontal/parietal cortex and temporal/occipital cortex are for the left hemisphere only.
Abbreviations: Dex = Dexamethasone; CPF = Chlorpyrifos

SUPPLEMENTAL TABLE 3: nAChR Binding (mean ± SE)

Region	Postnatal Age	Male (fmol/mg protein)				Female (fmol/mg protein)			
		Control	Dex	CPF	Dex+CPF	Control	Dex	CPF	Dex+CPF
frontal/parietal cortex	30	66 ± 2	72 ± 3	73 ± 6	67 ± 4	76 ± 3	74 ± 3	69 ± 3	63 ± 5
	60	75 ± 3	68 ± 1	66 ± 4	64 ± 4	70 ± 2	64 ± 4	66 ± 3	67 ± 6
	100	58 ± 2	59 ± 4	58 ± 3	57 ± 2	54 ± 3	57 ± 4	54 ± 3	53 ± 4
	150	36 ± 3	35 ± 2	38 ± 3	31 ± 1	37 ± 3	35 ± 2	38 ± 1	33 ± 1
temporal/occipital cortex	30	66 ± 5	66 ± 2	69 ± 5	61 ± 4	74 ± 5	67 ± 4	66 ± 4	60 ± 4
	60	65 ± 2	78 ± 5	69 ± 3	68 ± 3	70 ± 3	58 ± 1	65 ± 1	61 ± 2
	100	62 ± 2	62 ± 3	56 ± 1	59 ± 4	56 ± 3	58 ± 3	50 ± 2	55 ± 4
	150	54 ± 2	58 ± 4	60 ± 3	51 ± 2	55 ± 2	57 ± 3	53 ± 4	54 ± 4
hippocampus	30	43 ± 5	45 ± 3	51 ± 3	42 ± 2	44 ± 3	47 ± 3	47 ± 4	54 ± 4
	60	26 ± 1	29 ± 1	31 ± 2	28 ± 2	30 ± 2	24 ± 1	31 ± 3	26 ± 3
	100	29 ± 2	36 ± 3	31 ± 2	34 ± 2	28 ± 2	34 ± 2	30 ± 2	27 ± 1
	150	25 ± 1	29 ± 2	34 ± 2	29 ± 2	29 ± 1	31 ± 2	30 ± 1	31 ± 3
striatum	30	79 ± 5	74 ± 4	74 ± 3	69 ± 5	80 ± 4	79 ± 2	78 ± 5	69 ± 4
	60	84 ± 2	83 ± 4	76 ± 5	85 ± 2	85 ± 2	83 ± 3	80 ± 4	76 ± 2
	100	53 ± 5	65 ± 5	73 ± 8	68 ± 6	56 ± 2	68 ± 3	64 ± 3	64 ± 2
	150	78 ± 1	77 ± 4	76 ± 3	77 ± 3	81 ± 3	75 ± 1	79 ± 4	72 ± 2
midbrain	30	89 ± 3	99 ± 5	100 ± 5	89 ± 4	95 ± 3	99 ± 8	94 ± 5	91 ± 5
	60	77 ± 5	79 ± 5	73 ± 2	77 ± 4	83 ± 3	74 ± 3	74 ± 4	74 ± 2
	100	75 ± 3	82 ± 4	71 ± 4	72 ± 3	84 ± 6	73 ± 5	80 ± 4	72 ± 4
	150	76 ± 3	86 ± 4	75 ± 3	90 ± 6	79 ± 3	80 ± 2	83 ± 3	78 ± 2
brainstem	30	40 ± 2	43 ± 1	40 ± 1	36 ± 2	45 ± 3	44 ± 2	44 ± 1	41 ± 2
	60	29 ± 1	33 ± 2	32 ± 2	30 ± 1	32 ± 1	32 ± 2	31 ± 2	31 ± 1
	100	27 ± 1	31 ± 1	29 ± 1	28 ± 1	28 ± 1	28 ± 1	27 ± 1	29 ± 1
	150	25 ± 1	28 ± 1	27 ± 1	29 ± 1	30 ± 2	28 ± 1	29 ± 1	33 ± 3

Abbreviations: Dex = Dexamethasone; CPF = Chlorpyrifos

Note that the assays for each region and age were run in separate experiments, so absolute values cannot be compared strictly across ages or between regions.

SUPPLEMENTAL TABLE 4: HC3 Binding (mean ± SE)

Region	Postnatal Age	Male (fmol/mg protein)				Female (fmol/mg protein)			
		Control	Dex	CPF	Dex+CPF	Control	Dex	CPF	Dex+CPF
frontal/parietal cortex	30	14.9 ± 0.7	14.6 ± 0.9	16.6 ± 1.2	14.5 ± 0.6	14.7 ± 0.9	15.3 ± 1.6	13.5 ± 0.8	12.4 ± 0.5
	60	14.9 ± 1.4	14.4 ± 1.0	13.3 ± 1.4	12.6 ± 1.2	16.6 ± 1.8	13.5 ± 1.5	15.8 ± 1.8	11.4 ± 0.3
	100	13.7 ± 0.8	13.7 ± 0.6	11.9 ± 1.3	10.1 ± 0.7	13.7 ± 0.7	14.6 ± 1.0	12.8 ± 1.1	11.9 ± 0.7
	150	14.2 ± 0.9	12.5 ± 0.6	13.7 ± 1.5	11.2 ± 1.2	13.4 ± 1.7	13.8 ± 0.7	13.7 ± 0.7	12.2 ± 0.9
temporal/occipital cortex	30	7.3 ± 0.8	8.3 ± 0.8	7.2 ± 1.0	6.7 ± 1.2	7.6 ± 0.7	7.0 ± 0.8	9.1 ± 1.1	7.3 ± 0.6
	60	7.0 ± 0.8	8.7 ± 0.9	5.5 ± 0.6	5.5 ± 0.3	7.2 ± 0.4	6.7 ± 1.1	5.7 ± 0.3	6.1 ± 0.6
	100	5.9 ± 0.7	6.6 ± 1.1	4.9 ± 0.8	5.8 ± 0.3	5.6 ± 0.5	6.3 ± 0.7	6.6 ± 0.7	4.9 ± 0.8
	150	11.2 ± 1.2	10.6 ± 1.1	11.0 ± 0.6	9.7 ± 0.5	11.0 ± 0.7	11.5 ± 1.4	10.1 ± 0.7	10.2 ± 0.7
hippocampus	30	10.6 ± 1.2	9.7 ± 0.7	9.3 ± 0.7	10.1 ± 0.9	11.0 ± 0.6	11.3 ± 0.8	10.1 ± 0.8	10.2 ± 1.2
	60	10.9 ± 1.7	10.6 ± 1.0	9.5 ± 1.0	9.3 ± 0.5	9.8 ± 0.6	8.4 ± 0.5	9.6 ± 0.9	10.1 ± 0.8
	100	7.7 ± 1.5	7.5 ± 0.7	7.9 ± 1.0	7.6 ± 1.1	8.3 ± 1.0	9.5 ± 0.8	10.2 ± 1.9	6.2 ± 1.4
	150	13.1 ± 0.7	13.6 ± 0.8	14.6 ± 1.1	13.2 ± 0.9	14.6 ± 1.2	14.3 ± 0.7	12.9 ± 0.7	12.6 ± 0.8
striatum	30	42 ± 5	40 ± 2	35 ± 2	33 ± 2	40 ± 3	38 ± 2	35 ± 3	38 ± 2
	60	62 ± 12	50 ± 3	54 ± 2	48 ± 5	54 ± 2	50 ± 5	48 ± 5	38 ± 2
	100	35 ± 3	32 ± 2	36 ± 3	33 ± 1	29 ± 2	34 ± 2	32 ± 3	33 ± 2
	150	45 ± 3	40 ± 3	35 ± 1	40 ± 3	42 ± 2	38 ± 2	40 ± 1	35 ± 2
midbrain	30	6.4 ± 0.5	7.6 ± 1.0	7.9 ± 0.7	8.3 ± 0.7	7.3 ± 0.8	8.1 ± 1.2	8.3 ± 0.6	8.1 ± 1.0
	60	8.4 ± 1.5	8.3 ± 1.1	6.6 ± 0.9	6.1 ± 0.5	7.7 ± 0.6	7.0 ± 0.6	7.0 ± 0.7	7.1 ± 0.3
	100	5.6 ± 0.3	7.3 ± 0.6	6.0 ± 0.4	6.8 ± 0.7	6.3 ± 0.5	5.6 ± 0.5	7.4 ± 0.5	6.6 ± 0.9
	150	9.2 ± 1.1	8.0 ± 1.0	7.8 ± 0.5	9.1 ± 0.5	7.7 ± 0.5	7.4 ± 1.0	8.0 ± 0.4	6.9 ± 0.5
brainstem	30	6.7 ± 0.4	7.3 ± 0.6	4.9 ± 0.5	8.1 ± 1.0	5.9 ± 0.4	6.4 ± 0.7	5.7 ± 0.4	6.5 ± 0.5
	60	4.7 ± 0.4	6.5 ± 0.5	4.9 ± 0.4	5.6 ± 0.5	5.8 ± 0.3	5.4 ± 0.5	5.8 ± 0.3	6.0 ± 0.4
	100	3.8 ± 0.3	4.7 ± 0.7	3.2 ± 0.5	3.7 ± 0.3	3.3 ± 0.4	4.0 ± 0.5	3.8 ± 0.4	4.1 ± 0.8
	150	5.3 ± 0.6	4.3 ± 0.2	3.9 ± 0.5	4.1 ± 0.2	4.0 ± 0.4	4.1 ± 0.4	3.4 ± 0.4	4.1 ± 0.3

Abbreviations: Dex = Dexamethasone; CPF = Chlorpyrifos

Note that the assays for each region and age were run in separate experiments, so absolute values cannot be compared strictly across ages or between regions.

SUPPLEMENTAL TABLE 5: ChAT Activity (mean ± SE)

Region	Postnatal Age	Male (fmol/mg protein)				Female (fmol/mg protein)			
		Control	Dex	CPF	Dex+CPF	Control	Dex	CPF	Dex+CPF
frontal/parietal cortex	30	0.76 ± 0.04	0.83 ± 0.04	0.82 ± 0.04	0.77 ± 0.03	0.78 ± 0.02	0.75 ± 0.02	0.72 ± 0.04	0.78 ± 0.04
	60	1.32 ± 0.05	1.19 ± 0.10	1.18 ± 0.07	1.13 ± 0.05	1.34 ± 0.01	1.16 ± 0.06	1.11 ± 0.04	1.21 ± 0.05
	100	1.16 ± 0.06	1.15 ± 0.05	1.14 ± 0.07	1.17 ± 0.06	1.2 ± 0.04	1.01 ± 0.06	1.13 ± 0.06	1.14 ± 0.07
	150	1.08 ± 0.03	1.06 ± 0.06	0.95 ± 0.06	0.9 ± 0.06	1.01 ± 0.04	1.19 ± 0.05	1.08 ± 0.02	1.00 ± 0.06
temporal/occipital cortex	30	0.71 ± 0.02	0.75 ± 0.04	0.77 ± 0.03	0.71 ± 0.02	0.75 ± 0.03	0.76 ± 0.03	0.76 ± 0.04	0.69 ± 0.02
	60	0.86 ± 0.03	0.89 ± 0.04	0.84 ± 0.04	0.88 ± 0.02	0.86 ± 0.02	0.90 ± 0.02	0.88 ± 0.03	0.90 ± 0.03
	100	0.81 ± 0.04	0.86 ± 0.05	0.75 ± 0.01	0.85 ± 0.05	0.85 ± 0.03	0.91 ± 0.05	0.81 ± 0.04	0.77 ± 0.03
	150	0.75 ± 0.03	0.76 ± 0.05	0.78 ± 0.05	0.71 ± 0.05	0.79 ± 0.04	0.77 ± 0.03	0.71 ± 0.02	0.75 ± 0.02
hippocampus	30	1.09 ± 0.07	1.33 ± 0.08	1.22 ± 0.03	1.14 ± 0.04	1.15 ± 0.02	1.28 ± 0.05	1.26 ± 0.06	1.21 ± 0.07
	60	1.33 ± 0.04	1.40 ± 0.06	1.32 ± 0.06	1.36 ± 0.08	1.42 ± 0.07	1.3 ± 0.06	1.34 ± 0.04	1.43 ± 0.08
	100	0.97 ± 0.06	0.99 ± 0.03	0.94 ± 0.05	0.96 ± 0.03	1.05 ± 0.04	1.18 ± 0.05	1.04 ± 0.07	1.05 ± 0.04
	150	1.36 ± 0.05	1.40 ± 0.03	1.35 ± 0.05	1.39 ± 0.05	1.49 ± 0.07	1.44 ± 0.06	1.36 ± 0.06	1.28 ± 0.03
striatum	30	1.89 ± 0.15	2.29 ± 0.11	1.94 ± 0.15	2.1 ± 0.11	2.25 ± 0.13	2.08 ± 0.15	1.98 ± 0.09	1.98 ± 0.04
	60	2.40 ± 0.06	2.61 ± 0.20	2.63 ± 0.08	2.62 ± 0.14	2.59 ± 0.08	2.65 ± 0.20	2.44 ± 0.12	2.56 ± 0.22
	100	1.80 ± 0.08	2.01 ± 0.11	1.89 ± 0.15	2.25 ± 0.14	2.12 ± 0.16	2.23 ± 0.14	2.10 ± 0.14	2.21 ± 0.15
	150	1.97 ± 0.08	2.05 ± 0.17	1.88 ± 0.10	2.36 ± 0.12	2.27 ± 0.05	2.18 ± 0.17	2.08 ± 0.11	2.19 ± 0.15
midbrain	30	0.74 ± 0.03	0.77 ± 0.01	0.81 ± 0.03	0.78 ± 0.02	0.84 ± 0.03	0.78 ± 0.02	0.84 ± 0.04	0.80 ± 0.01
	60	0.98 ± 0.04	1.02 ± 0.02	0.99 ± 0.02	1.02 ± 0.05	0.99 ± 0.03	1.07 ± 0.02	1.01 ± 0.05	0.98 ± 0.03
	100	0.86 ± 0.02	0.98 ± 0.01	0.85 ± 0.05	0.86 ± 0.03	0.96 ± 0.02	0.97 ± 0.06	0.99 ± 0.07	0.91 ± 0.03
	150	0.80 ± 0.04	0.91 ± 0.03	0.85 ± 0.02	0.92 ± 0.03	0.85 ± 0.02	0.96 ± 0.04	0.87 ± 0.03	0.90 ± 0.03
brainstem	30	1.43 ± 0.05	1.51 ± 0.03	1.49 ± 0.07	1.39 ± 0.05	1.61 ± 0.04	1.61 ± 0.08	1.52 ± 0.04	1.5 ± 0.02
	60	1.43 ± 0.04	1.48 ± 0.04	1.59 ± 0.05	1.46 ± 0.07	1.57 ± 0.06	1.59 ± 0.05	1.62 ± 0.05	1.58 ± 0.06
	100	1.39 ± 0.02	1.50 ± 0.09	1.46 ± 0.06	1.37 ± 0.06	1.52 ± 0.04	1.54 ± 0.02	1.49 ± 0.07	1.40 ± 0.03
	150	1.30 ± 0.05	1.28 ± 0.05	1.28 ± 0.06	1.27 ± 0.04	1.44 ± 0.04	1.41 ± 0.03	1.43 ± 0.06	1.41 ± 0.07

Abbreviations: Dex = Dexamethasone; CPF = Chlorpyrifos

Note that the assays for each region and age were run in separate experiments, so absolute values cannot be compared strictly across ages or between regions.

SUPPLEMENTAL TABLE 6: HC3/ChAT ratio (mean ± SE)

Region	Postnatal Age	Male (fmol/mg protein)				Female (fmol/mg protein)			
		Control	Dex	CPF	Dex+CPF	Control	Dex	CPF	Dex+CPF
frontal/parietal cortex	30	19.9 ± 1.5	17.8 ± 1.3	20.6 ± 1.5	18.9 ± 1.0	18.9 ± 1.2	20.5 ± 2.3	18.8 ± 1.1	16.2 ± 1.2
	60	12.2 ± 0.7	12.5 ± 1.2	11.4 ± 1.0	11.1 ± 1.2	12.4 ± 1.3	11.6 ± 1.2	12.9 ± 0.9	9.3 ± 0.5
	100	11.6 ± 0.8	12.2 ± 0.8	10.5 ± 1.2	8.7 ± 0.4	11.6 ± 0.8	13.8 ± 0.6	11.5 ± 1.3	10.5 ± 0.5
	150	13.2 ± 0.9	12.0 ± 0.9	14.4 ± 1.2	12.0 ± 1.5	13.2 ± 1.5	11.6 ± 0.6	12.7 ± 0.5	12.2 ± 0.6
temporal/occipital cortex	30	10.6 ± 1.5	11.1 ± 0.9	9.5 ± 1.4	9.7 ± 1.9	10.2 ± 1.2	9.5 ± 1.3	12.3 ± 1.6	10.9 ± 1.2
	60	8.1 ± 0.9	9.0 ± 0.9	6.5 ± 0.7	6.2 ± 0.3	8.3 ± 0.5	7.5 ± 1.3	6.5 ± 0.4	6.7 ± 0.6
	100	7.4 ± 1.1	7.7 ± 1.2	6.4 ± 1.0	6.9 ± 0.4	6.6 ± 0.6	6.9 ± 0.5	8.2 ± 0.6	6.6 ± 1.2
	150	15.1 ± 1.7	14.1 ± 1.6	14.2 ± 1.5	13.7 ± 0.5	14.2 ± 1.2	14.9 ± 1.7	13.6 ± 0.7	13.8 ± 1.1
hippocampus	30	10.2 ± 1.6	7.4 ± 0.7	7.6 ± 0.5	8.8 ± 0.5	9.6 ± 0.6	9.0 ± 1.0	8.0 ± 0.6	8.3 ± 0.6
	60	8.3 ± 1.3	7.6 ± 0.7	7.7 ± 0.6	6.9 ± 0.5	6.9 ± 0.3	6.6 ± 0.5	7.7 ± 0.6	7.0 ± 0.4
	100	8.0 ± 1.4	7.6 ± 0.8	8.6 ± 1.2	8.0 ± 1.2	8.1 ± 0.9	8.2 ± 0.8	9.7 ± 1.5	5.8 ± 1.2
	150	9.7 ± 0.6	9.8 ± 0.7	11.0 ± 1.2	9.4 ± 0.5	10.0 ± 1.0	10.1 ± 0.8	9.6 ± 0.5	10.1 ± 0.9
striatum	30	23 ± 3	18 ± 2	18 ± 1	16 ± 1	18 ± 1	19 ± 2	18 ± 2	19 ± 1
	60	27 ± 6	20 ± 2	20 ± 4	19 ± 2	21 ± 1	20 ± 3	20 ± 3	15 ± 1
	100	20 ± 3	16 ± 1	20 ± 4	15 ± 1	14 ± 1	16 ± 1	16 ± 1	15 ± 1
	150	23 ± 1	20 ± 1	19 ± 1	17 ± 1	18 ± 1	18 ± 1	19 ± 1	16 ± 1
midbrain	30	8.8 ± 0.8	10.6 ± 1.1	9.7 ± 0.7	10.7 ± 0.8	8.7 ± 0.8	11.6 ± 1.2	9.9 ± 0.6	10.1 ± 1.2
	60	8.7 ± 1.6	8.1 ± 1.0	6.7 ± 1.1	6.1 ± 0.6	7.9 ± 0.7	6.5 ± 0.5	6.9 ± 0.6	7.2 ± 0.1
	100	6.6 ± 0.5	7.6 ± 0.7	7.0 ± 0.8	7.9 ± 0.8	6.6 ± 0.7	6.0 ± 0.7	7.6 ± 0.5	7.2 ± 0.9
	150	11.5 ± 1.4	8.7 ± 1.0	9.2 ± 0.6	10.0 ± 0.8	9.1 ± 0.7	7.8 ± 1.1	9.2 ± 0.5	7.7 ± 0.5
brainstem	30	4.7 ± 0.2	4.5 ± 0.3	3.3 ± 0.3	6.2 ± 0.8	3.7 ± 0.2	3.8 ± 0.6	3.8 ± 0.3	4.3 ± 0.3
	60	3.3 ± 0.3	4.4 ± 0.4	3.1 ± 0.2	3.9 ± 0.4	3.7 ± 0.3	3.4 ± 0.4	3.6 ± 0.3	3.8 ± 0.3
	100	2.7 ± 0.2	3.2 ± 0.6	2.2 ± 0.3	2.8 ± 0.3	2.2 ± 0.3	2.6 ± 0.3	2.6 ± 0.3	2.9 ± 0.6
	150	4.2 ± 0.5	3.4 ± 0.1	3.1 ± 0.4	3.3 ± 0.2	2.8 ± 0.2	2.9 ± 0.3	2.4 ± 0.4	3.0 ± 0.3

Abbreviations: Dex = Dexamethasone; CPF = Chlorpyrifos

Note that the assays for each region and age were run in separate experiments, so absolute values cannot be compared strictly across ages or between regions.