

Supplemental Table 1 – Krishnan et al.

A. F2 Adult USVs and F2 Maternal Care Correlations

| Maternal VEH | | F2 Adult USV | | | | | | |
|---------------------------------|----------------------|--------------|----------|------------|----------------|----------|-------|-----------|
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power | Bandwidth |
| F2 Maternal Care | Time on Nest | 0.48 | 0.55 | 0.19 | 0.09 | 0.13 | 0.25 | 0.07 |
| | Time LG Pups | 0.00 | -0.13 | 0.24 | -0.17 | 0.08 | -0.10 | -0.18 |
| | Total Time Nursing | 0.50 | 0.55 | 0.24 | 0.08 | 0.07 | 0.19 | 0.03 |
| | Time Active Nursing | 0.50 | 0.41 | 0.51 | 0.05 | -0.36 | -0.13 | -0.20 |
| | Time Passive Nursing | 0.39 | 0.52 | 0.01 | 0.08 | 0.33 | 0.36 | 0.17 |
| Maternal PCB | | F2 Adult USV | | | | | | |
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power | Bandwidth |
| F2 Maternal Care | Time on Nest | -0.28 | -0.28 | -0.23 | -0.03 | -0.30 | -0.05 | -0.38 |
| | Time LG Pups | 0.15 | 0.13 | 0.19 | 0.04 | -0.14 | -0.15 | -0.28 |
| | Total Time Nursing | -0.34 | -0.35 | -0.27 | -0.14 | -0.30 | -0.12 | -0.51 |
| | Time Active Nursing | -0.04 | -0.11 | 0.18 | 0.03 | -0.26 | -0.29 | -0.17 |
| | Time Passive Nursing | -0.33 | -0.31 | -0.34 | -0.04 | -0.32 | -0.06 | -0.54 |
| Maternal VIN | | F2 Adult USV | | | | | | |
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power | Bandwidth |
| F2 Maternal Care | Time on Nest | 0.28 | 0.15 | 0.47 | 0.11 | 0.21 | 0.36 | -0.50 |
| | Time LG Pups | 0.12 | 0.19 | -0.03 | -0.24 | 0.07 | 0.35 | -0.04 |
| | Total Time Nursing | -0.21 | -0.21 | -0.22 | 0.21 | -0.07 | 0.14 | -0.32 |
| | Time Active Nursing | -0.03 | -0.04 | 0.00 | -0.33 | 0.04 | 0.03 | -0.88 |
| | Time Passive Nursing | -0.18 | -0.21 | -0.11 | 0.34 | -0.08 | 0.15 | -0.09 |
| Paternal VEH | | F2 Adult USV | | | | | | |
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power | Bandwidth |
| F2 Maternal Care | Time on Nest | 0.41 | 0.43 | 0.25 | 0.31 | -0.49 | 0.05 | 0.73 |
| | Time LG Pups | -0.12 | -0.24 | 0.12 | -0.19 | -0.06 | -0.26 | -0.14 |
| | Total Time Nursing | 0.51 | 0.46 | 0.50 | 0.10 | -0.40 | -0.37 | -0.01 |
| | Time Active Nursing | 0.08 | 0.00 | 0.22 | -0.39 | -0.30 | -0.63 | -0.40 |
| | Time Passive Nursing | 0.56 | 0.57 | 0.40 | 0.52 | -0.22 | 0.16 | 0.38 |
| Paternal PCB | | F2 Adult USV | | | | | | |
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power | Bandwidth |
| F2 Maternal Care | Time on Nest | -0.09 | -0.01 | -0.21 | 0.37 | -0.05 | -0.09 | 0.32 |
| | Time LG Pups | -0.42 | -0.40 | -0.37 | -0.19 | -0.81 | -0.17 | 0.64 |
| | Total Time Nursing | -0.03 | 0.04 | -0.14 | 0.37 | 0.01 | -0.07 | 0.33 |
| | Time Active Nursing | 0.30 | 0.34 | 0.16 | 0.15 | 0.57 | 0.11 | -0.32 |
| | Time Passive Nursing | -0.23 | -0.17 | -0.30 | 0.39 | -0.37 | -0.17 | 0.65 |
| Paternal VIN | | F2 Adult USV | | | | | | |
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power | Bandwidth |
| F2 Maternal Care | Time on Nest | 0.40 | 0.50 | 0.01 | 0.38 | 0.47 | 0.76 | 0.05 |
| | Time LG Pups | 0.15 | 0.07 | 0.31 | 0.04 | 0.36 | 0.14 | -0.11 |
| | Total Time Nursing | 0.49 | 0.56 | 0.12 | 0.44 | 0.46 | 0.71 | 0.04 |
| | Time Active Nursing | -0.31 | -0.39 | 0.02 | 0.04 | 0.20 | 0.29 | -0.19 |
| | Time Passive Nursing | 0.39 | 0.49 | -0.03 | 0.34 | 0.38 | 0.59 | 0.09 |

*_, p < 0.001 ($\alpha_{\text{altered}} = 0.05/35$)

B. F2 Adult & F3 Pup USVs Correlation

| Maternal VEH | | F2 Adult USV | | | | | |
|--------------|----------------|--------------|----------|------------|----------------|----------|-------|
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power |
| F3 Pup USV | Totalcalls | -0.03 | -0.14 | 0.19 | -0.36 | -0.21 | -0.35 |
| | FM Calls | -0.11 | -0.21 | 0.11 | -0.18 | -0.44 | -0.30 |
| | Flat Calls | 0.08 | -0.03 | 0.25 | -0.53 | 0.13 | -0.35 |
| | Mean Frequency | 0.10 | -0.10 | 0.43 | -0.21 | -0.27 | -0.30 |
| | Duration | -0.42 | -0.63 | 0.10 | -0.33 | -0.91 | -0.71 |
| | Power | -0.23 | -0.35 | 0.06 | -0.60 | -0.57 | -0.67 |
| Maternal PCB | | F2 Adult USV | | | | | |
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power |
| F3 Pup USV | Totalcalls | -0.41 | -0.39 | -0.41 | -0.76 | -0.40 | -0.43 |
| | FM Calls | -0.39 | -0.36 | -0.42 | -0.76 | -0.37 | -0.36 |
| | Flat Calls | -0.41 | -0.40 | -0.38 | -0.73 | -0.41 | -0.47 |
| | Mean Frequency | 0.32 | 0.35 | 0.19 | -0.20 | 0.55 | 0.44 |
| | Duration | -0.68 | -0.61 | -0.82 | -0.61 | -0.86 | -0.74 |
| | Power | -0.35 | -0.36 | -0.28 | 0.00 | -0.45 | -0.47 |
| Maternal VIN | | F2 Adult USV | | | | | |
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power |
| F3 Pup USV | Totalcalls | -0.69 | -0.61 | -0.72 | -0.58 | -0.66 | -0.72 |
| | FM Calls | -0.24 | -0.15 | -0.34 | -0.49 | -0.30 | -0.29 |
| | Flat Calls | -0.70 | -0.69 | -0.61 | -0.24 | -0.59 | -0.70 |
| | Mean Frequency | 0.29 | 0.36 | 0.12 | -0.01 | 0.21 | 0.49 |
| | Duration | -0.17 | -0.23 | -0.04 | 0.12 | -0.08 | -0.15 |
| | Power | 0.30 | 0.21 | 0.39 | -0.79 | 0.10 | 0.00 |
| Paternal VEH | | F2 Adult USV | | | | | |
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power |
| F3 Pup USV | Totalcalls | -0.52 | -0.41 | -0.59 | 0.59 | -0.03 | 0.00 |
| | FM Calls | -0.42 | -0.32 | -0.51 | 0.14 | 0.37 | 0.03 |
| | Flat Calls | -0.45 | -0.37 | -0.48 | 0.77 | -0.33 | -0.02 |
| | Mean Frequency | -0.28 | -0.38 | -0.01 | 0.04 | -0.08 | -0.15 |
| | Duration | 0.21 | 0.27 | 0.03 | -0.10 | 0.54 | 0.15 |
| | Power | -0.38 | -0.33 | -0.38 | 0.14 | 0.19 | -0.14 |
| Paternal PCB | | F2 Adult USV | | | | | |
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power |
| F3 Pup USV | Totalcalls | -0.23 | -0.21 | -0.22 | -0.86 | 0.10 | 0.61 |
| | FM Calls | -0.05 | 0.06 | -0.21 | -0.45 | 0.32 | 0.74 |
| | Flat Calls | -0.28 | -0.30 | -0.17 | -0.88 | -0.04 | 0.39 |
| | Mean Frequency | -0.10 | -0.23 | 0.14 | 0.58 | -0.37 | -0.78 |
| | Duration | -0.55 | -0.44 | -0.62 | -0.66 | -0.25 | 0.48 |
| | Power | 0.03 | 0.07 | -0.05 | -0.61 | 0.28 | 0.68 |
| Paternal VIN | | F2 Adult USV | | | | | |
| | | Total Calls | FM Calls | Flat Calls | Mean Frequency | Duration | Power |
| F3 Pup USV | Totalcalls | -0.08 | -0.05 | -0.12 | -0.12 | -0.17 | -0.06 |
| | FM Calls | -0.16 | -0.14 | -0.15 | -0.11 | -0.19 | -0.08 |
| | Flat Calls | 0.06 | 0.09 | -0.04 | -0.08 | -0.08 | 0.00 |
| | Mean Frequency | -0.03 | 0.01 | -0.13 | -0.04 | -0.15 | -0.15 |
| | Duration | -0.17 | -0.15 | -0.19 | -0.02 | -0.08 | -0.08 |
| | Power | -0.07 | -0.03 | -0.14 | -0.03 | 0.09 | 0.05 |

*, $p < 0.001$ ($\alpha_{\text{altered}} = 0.05/36$)

C. F2 Maternal Care and F3 Pup USVs by Day

| P3 Maternal VEH | | F2 Maternal Care | | | |
|-------------------|----------------|------------------|--------------|--------------------|---------------------|
| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing |
| F3 Pup USVs | Total Calls | -0.70 | -0.05 | -0.56 | -0.91 |
| | FM Calls | -0.68 | -0.10 | -0.37 | -0.81 |
| | Flat Calls | -0.59 | -0.02 | -0.56 | -0.81 |
| | Power | -0.06 | 0.52 | 0.17 | -0.49 |
| | Mean Frequency | -0.57 | -0.06 | -0.31 | -0.51 |
| | Duration | -0.10 | 0.56 | 0.00 | 0.08 |
| P3 Maternal PCB | | F2 Maternal Care | | | |
| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing |
| F3 Pup USVs | Total Calls | 0.23 | 0.25 | 0.08 | 0.13 |
| | FM Calls | -0.05 | 0.04 | 0.07 | 0.02 |
| | Flat Calls | 0.29 | 0.29 | 0.08 | 0.17 |
| | Power | 0.16 | 0.08 | -0.82 | -0.34 |
| | Mean Frequency | -0.46 | -0.66 | 0.15 | 0.41 |
| | Duration | 0.50 | 0.17 | -0.30 | 0.03 |
| P3 Maternal VIN | | F2 Maternal Care | | | |
| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing |
| F3 Pup USVs | Total Calls | -0.74 | -0.25 | -0.77 | -0.15 |
| | FM Calls | -0.62 | -0.33 | -0.57 | -0.52 |
| | Flat Calls | -0.72 | -0.20 | -0.78 | 0.00 |
| | Power | -0.09 | -0.77 | -0.56 | -0.13 |
| | Mean Frequency | 0.41 | -0.12 | 0.48 | -0.19 |
| | Duration | -0.03 | -0.87 | -0.08 | -0.24 |
| P3 Paternal VEH | | F2 Maternal Care | | | |
| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing |
| F3 Pup USVs | Total Calls | -0.01 | -0.29 | -0.16 | -0.05 |
| | FM Calls | -0.10 | -0.16 | -0.48 | -0.02 |
| | Flat Calls | 0.00 | -0.31 | -0.09 | -0.05 |
| | Power | 0.39 | 0.17 | 0.40 | 0.87 |
| | Mean Frequency | 0.29 | 0.02 | 0.44 | 0.03 |
| | Duration | -0.17 | 0.13 | -0.47 | -0.25 |
| P3 Paternal A1221 | | F2 Maternal Care | | | |
| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing |
| F3 Pup USVs | Total Calls | -0.35 | 0.65 | -0.38 | -0.39 |
| | FM Calls | -0.47 | 0.48 | -0.03 | -0.25 |
| | Flat Calls | -0.25 | 0.68 | -0.53 | -0.43 |
| | Power | -0.75 | -0.03 | -0.43 | -0.01 |
| | Mean Frequency | -0.47 | -0.29 | 0.13 | -0.12 |
| | Duration | -0.23 | 0.58 | -0.28 | -0.20 |
| P3 Paternal VIN | | F2 Maternal Care | | | |
| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing |
| F3 Pup USVs | Total Calls | -0.39 | -0.11 | -0.56 | -0.23 |
| | FM Calls | -0.46 | -0.03 | -0.58 | -0.37 |
| | Flat Calls | -0.35 | -0.13 | -0.54 | -0.17 |
| | Power | -0.91 | -0.03 | -0.84 | -0.31 |
| | Mean Frequency | 0.00 | -0.18 | -0.07 | 0.04 |
| | Duration | 0.17 | -0.30 | 0.11 | -0.19 |
| P6 Maternal VEH | | F2 Maternal Care | | | |
| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing |
| | Total Calls | -0.48 | -0.02 | -0.53 | -0.44 |
| | | | | | -0.15 |

| | | | | | | |
|--------------------|----------------|-------|-------|-------|-------|-------|
| F3 Pup USVs | FM Calls | -0.41 | -0.04 | -0.46 | -0.36 | -0.08 |
| | Flat Calls | -0.57 | 0.00 | -0.61 | -0.55 | -0.27 |
| | Power | 0.27 | -0.21 | 0.24 | 0.02 | -0.10 |
| | Mean Frequency | -0.31 | -0.49 | -0.36 | -0.05 | 0.42 |
| | Duration | -0.04 | 0.48 | -0.04 | 0.16 | 0.76 |

P6 Maternal PCB

F2 Maternal Care

| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing | Time Passive Nursing |
|--------------------|----------------|--------------|--------------|--------------------|---------------------|----------------------|
| F3 Pup USVs | Total Calls | 0.27 | -0.32 | 0.28 | 0.18 | 0.18 |
| | FM Calls | 0.29 | -0.25 | 0.30 | 0.13 | 0.31 |
| | Flat Calls | 0.23 | -0.38 | 0.24 | 0.24 | 0.00 |
| | Power | 0.20 | 0.11 | 0.23 | 0.07 | 0.60 |
| | Mean Frequency | -0.10 | 0.52 | -0.10 | -0.53 | 0.41 |
| | Duration | -0.07 | -0.15 | -0.07 | -0.31 | 0.04 |

P6 Maternal VIN

F2 Maternal Care

| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing | Time Passive Nursing |
|--------------------|----------------|--------------|--------------|--------------------|---------------------|----------------------|
| F3 Pup USVs | Total Calls | -0.49 | 0.44 | -0.54 | -0.02 | -0.07 |
| | FM Calls | -0.54 | 0.51 | -0.62 | 0.03 | -0.02 |
| | Flat Calls | -0.41 | 0.35 | -0.41 | -0.06 | -0.10 |
| | Power | -0.48 | 0.65 | -0.70 | 0.30 | -0.02 |
| | Mean Frequency | 0.31 | 0.35 | 0.15 | 0.19 | 0.52 |
| | Duration | -0.30 | -0.40 | -0.14 | 0.44 | -0.43 |

P6 Paternal VEH

F2 Maternal Care

| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing | Time Passive Nursing |
|--------------------|----------------|--------------|--------------|--------------------|---------------------|----------------------|
| F3 Pup USVs | Total Calls | -0.03 | 0.02 | 0.08 | 0.03 | 0.08 |
| | FM Calls | 0.05 | -0.32 | 0.15 | -0.07 | 0.25 |
| | Flat Calls | -0.10 | 0.27 | 0.02 | 0.11 | -0.06 |
| | Power | 0.09 | -0.09 | 0.72 | 0.22 | 0.77 |
| | Mean Frequency | -0.26 | 0.23 | -0.48 | -0.41 | -0.30 |
| | Duration | 0.19 | -0.33 | 0.54 | 0.61 | 0.22 |

P6 Paternal PCB

F2 Maternal Care

| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing | Time Passive Nursing |
|--------------------|----------------|--------------|--------------|--------------------|---------------------|----------------------|
| F3 Pup USVs | Total Calls | -0.17 | -0.58 | -0.11 | 0.21 | -0.36 |
| | FM Calls | 0.28 | -0.56 | 0.31 | 0.35 | 0.15 |
| | Flat Calls | -0.14 | -0.28 | -0.08 | 0.24 | -0.35 |
| | Power | 0.65 | 0.29 | 0.69 | 0.58 | 0.54 |
| | Mean Frequency | -0.33 | -0.24 | -0.31 | -0.12 | -0.37 |
| | Duration | 0.60 | -0.02 | 0.61 | 0.37 | 0.61 |

P6 Paternal VIN

F2 Maternal Care

| | | Time on Nest | Time LG Pups | Total Time Nursing | Time Active Nursing | Time Passive Nursing |
|--------------------|----------------|--------------|--------------|--------------------|---------------------|----------------------|
| F3 Pup USVs | Total Calls | -0.11 | 0.10 | -0.26 | 0.37 | -0.40 |
| | FM Calls | -0.26 | 0.17 | -0.38 | 0.33 | -0.55 |
| | Flat Calls | 0.14 | 0.12 | 0.01 | 0.46 | -0.16 |
| | Power | -0.07 | -0.12 | -0.18 | 0.33 | -0.46 |
| | Mean Frequency | -0.55 | -0.36 | -0.53 | 0.02 | -0.45 |
| | Duration | 0.00 | 0.26 | -0.04 | 0.33 | -0.19 |

*_p < 0.001 ($\alpha_{\text{altered}} = 0.05/30$)

D. F2 Maternal Care and F3 Anxiety-like Behavior Correlations

| Maternal VEH | | F2 Maternal Care | | | | |
|--------------------------|-------------------------|--------------------|--------------|--------------|---------------------|----------------------|
| | | Total Time Nursing | Time On Nest | Time LG Pups | Time Active Nursing | Time Passive Nursing |
| F3 Open Field | # Line Crossings | 0.16 | 0.24 | -0.17 | -0.08 | 0.26 |
| | Mean Speed | 0.01 | 0.10 | -0.11 | -0.18 | 0.10 |
| | Time Immobile | -0.05 | -0.12 | 0.22 | 0.12 | -0.12 |
| | Time Spent in Corners | -0.07 | -0.22 | -0.11 | 0.10 | -0.14 |
| | Time Spent Inside | -0.03 | 0.08 | -0.23 | -0.29 | 0.11 |
| F3 Light:Dark Box | # Line Crossings | -0.08 | -0.10 | -0.18 | -0.45 | 0.11 |
| | Mean Speed | -0.30 | -0.31 | -0.16 | -0.66 | -0.07 |
| | Time Immobile | 0.20 | 0.14 | 0.27 | 0.24 | 0.14 |
| | Distance Traveled | -0.30 | -0.31 | -0.16 | -0.65 | -0.07 |
| | Time Spent in Light Box | -0.37 | -0.33 | -0.30 | 0.26 | -0.62 |
| Maternal PCB | | F2 Maternal Care | | | | |
| | | Total Time Nursing | Time On Nest | Time LG Pups | Time Active Nursing | Time Passive Nursing |
| F3 Open Field | # Line Crossings | -0.60 | -0.58 | -0.58 | -0.06 | -0.56 |
| | Mean Speed | -0.62 | -0.54 | -0.54 | 0.02 | -0.66 |
| | Time Immobile | 0.62 | 0.65 | 0.38 | 0.07 | 0.57 |
| | Time Spent in Corners | 0.46 | 0.51 | 0.53 | 0.58 | -0.01 |
| | Time Spent Inside | -0.66 | -0.66 | -0.52 | -0.39 | -0.35 |
| F3 Light:Dark Box | # Line Crossings | -0.50 | -0.52 | -0.65 | -0.45 | -0.15 |
| | Mean Speed | -0.04 | -0.06 | -0.35 | -0.01 | -0.03 |
| | Time Immobile | 0.901* | 0.9208* | 0.35 | 0.35 | 0.64 |
| | Distance Traveled | -0.04 | -0.06 | -0.35 | -0.01 | -0.03 |
| | Time Spent in Light Box | -0.46 | -0.46 | -0.08 | -0.36 | -0.18 |
| Maternal VIN | | F2 Maternal Care | | | | |
| | | Total Time Nursing | Time On Nest | Time LG Pups | Time Active Nursing | Time Passive Nursing |
| F3 Open Field | # Line Crossings | 0.25 | 0.30 | -0.02 | 0.11 | 0.20 |
| | Mean Speed | 0.29 | 0.34 | -0.01 | 0.07 | 0.30 |
| | Time Immobile | -0.18 | -0.18 | 0.20 | -0.04 | -0.18 |
| | Time Spent in Corners | 0.14 | 0.09 | -0.23 | -0.11 | 0.30 |
| | Time Spent Inside | -0.11 | -0.10 | -0.13 | 0.12 | -0.28 |
| F3 Light:Dark Box | # Line Crossings | 0.08 | 0.16 | -0.45 | -0.23 | 0.35 |
| | Mean Speed | 0.24 | 0.28 | -0.56 | -0.09 | 0.41 |
| | Time Immobile | -0.08 | -0.13 | -0.18 | -0.32 | 0.24 |
| | Distance Traveled | 0.25 | 0.29 | -0.56 | -0.09 | 0.41 |
| | Time Spent in Light Box | -0.05 | -0.02 | 0.26 | 0.15 | -0.24 |
| Paternal VEH | | F2 Maternal Care | | | | |
| | | Total Time Nursing | Time On Nest | Time LG Pups | Time Active Nursing | Time Passive Nursing |
| F3 Open Field | # Line Crossings | -0.14 | -0.05 | -0.48 | -0.68 | 0.44 |
| | Mean Speed | -0.12 | -0.08 | -0.38 | -0.69 | 0.49 |
| | Time Immobile | 0.36 | 0.30 | 0.52 | 0.73 | -0.23 |
| | Time Spent in Corners | -0.08 | -0.06 | 0.23 | 0.18 | -0.26 |
| | Time Spent Inside | 0.45 | 0.40 | -0.42 | -0.09 | 0.63 |
| F3 Light:Dark Box | # Line Crossings | -0.44 | -0.25 | 0.46 | -0.34 | -0.22 |
| | Mean Speed | -0.08 | 0.11 | 0.05 | -0.30 | 0.17 |
| | Time Immobile | -0.15 | -0.24 | 0.51 | 0.29 | -0.45 |

| | | | | | |
|-------------------------|-------|-------|-------|-------|-------|
| Distance Traveled | -0.08 | 0.10 | 0.06 | -0.30 | 0.17 |
| Time Spent in Light Box | -0.35 | -0.16 | -0.27 | -0.23 | -0.21 |

| Paternal PCB | | F2 Maternal Care | | | | |
|--------------------------|-------------------------|--------------------|--------------|--------------|---------------------|----------------------|
| | | Total Time Nursing | Time On Nest | Time LG Pups | Time Active Nursing | Time Passive Nursing |
| F3 Open Field | # Line Crossings | -0.35 | -0.23 | -0.05 | -0.46 | 0.14 |
| | Mean Speed | -0.49 | -0.36 | -0.02 | -0.53 | 0.06 |
| | Time Immobile | -0.29 | -0.26 | 0.17 | -0.13 | -0.20 |
| | Time Spent in Corners | -0.51 | -0.39 | 0.09 | -0.18 | -0.38 |
| | Time Spent Inside | 0.12 | -0.04 | -0.14 | 0.16 | -0.05 |
| F3 Light:Dark Box | # Line Crossings | 0.14 | 0.02 | 0.06 | -0.22 | 0.44 |
| | Mean Speed | -0.34 | -0.32 | -0.38 | -0.26 | -0.10 |
| | Time Immobile | -0.26 | -0.51 | -0.02 | 0.15 | -0.50 |
| | Distance Traveled | -0.33 | -0.31 | -0.39 | -0.25 | -0.10 |
| | Time Spent in Light Box | 0.12 | 0.20 | -0.21 | 0.28 | -0.19 |

| Paternal VIN | | F2 Maternal Care | | | | |
|--------------------------|-------------------------|--------------------|--------------|--------------|---------------------|----------------------|
| | | Total Time Nursing | Time On Nest | Time LG Pups | Time Active Nursing | Time Passive Nursing |
| F3 Open Field | # Line Crossings | -0.45 | -0.43 | -0.23 | -0.16 | -0.44 |
| | Mean Speed | -0.69 | -0.65 | -0.25 | -0.51 | -0.36 |
| | Time Immobile | 0.50 | 0.48 | 0.19 | 0.26 | 0.40 |
| | Time Spent in Corners | -0.02 | 0.03 | 0.17 | -0.41 | 0.47 |
| | Time Spent Inside | 0.11 | 0.07 | 0.02 | 0.32 | -0.24 |
| F3 Light:Dark Box | # Line Crossings | 0.11 | 0.20 | 0.47 | 0.30 | -0.22 |
| | Mean Speed | -0.13 | 0.05 | 0.53 | -0.22 | 0.08 |
| | Time Immobile | 0.33 | 0.23 | -0.08 | 0.08 | 0.37 |
| | Distance Traveled | -0.14 | 0.05 | 0.53 | -0.22 | 0.07 |
| | Time Spent in Light Box | -0.28 | -0.29 | -0.13 | -0.01 | -0.40 |

*, $p < 0.001$ ($\alpha_{\text{altered}} = 0.05/50$)

E. F2 and F3 Serum Hormone Level Correlations by Sex

| F3 Females | | F3 Males | |
|--------------|------|--------------|---------|
| Maternal VEH | | Maternal VEH | |
| | F2 | | F2 |
| | CORT | E2 | CORT |
| F3 | CORT | -0.25 | 0.21 |
| | E2 | -0.49 | 0.50 |
| Maternal PCB | | Maternal PCB | |
| | | F2 | |
| | CORT | E2 | CORT |
| F3 | CORT | 0.24 | -0.21 |
| | E2 | -0.08 | 0.34 |
| Maternal VIN | | Maternal VIN | |
| | | F2 | |
| | CORT | E2 | CORT |
| F3 | CORT | -0.07 | 0.38 |
| | E2 | 0.40 | -0.49 |
| Paternal VEH | | Paternal VEH | |
| | | F2 | |
| | CORT | E2 | CORT |
| F3 | CORT | 0.26 | 0.03 |
| | E2 | 0.21 | -0.841* |
| Paternal PCB | | Paternal PCB | |
| | | F2 | |
| | CORT | E2 | CORT |
| F3 | CORT | 0.25 | -0.19 |
| | E2 | -0.04 | -0.68 |
| Paternal VIN | | Paternal VIN | |
| | | F2 | |
| | CORT | E2 | CORT |
| F3 | CORT | 0.62 | -0.38 |
| | E2 | 0.04 | -0.06 |

*, $p < 0.012$ ($\alpha_{\text{altered}} = 0.05/4$)