**Key Resources Table**

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| REAGENT or RESOURCE | SOURCE | IDENTIFIER |
| **Chemicals** | | |
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|  |  |  |
| Isoflurane |  |  |
| **Software and Algorithms** | | |
| MATLAB | MathWorks | MATLAB v2017b |
| Recording software: Cheetah v5.7.4 | Neuralynx | <http://neuralynx.com/> |
| Spike sorting software | Neuralynx | SpikeSort3D |
| LabBook – documentation and actuator control software | Fellous lab website | http://amygdala.psychdept.arizona.edu/lab.html |
| **Experimental Models: Organisms/Strains** | | |
| *Pogona vitticeps* |  |  |
| Other | | |
| Stereotaxic apparatus | David Kopf Instruments |  |
| Lynx SX Recording platform | Neuralynx | http://neuralynx.com/ |
| Tracking camera | Plexon |  |
| Cameras | Basler |  |
| Head-stage tether |  |  |
| Head-stage connector | Omnetics |  |
| PVC walls and floor, transparent acrylic walls | Kunststoff – Technik und Design GmbH | https://k-t-d-gmbh.de/ |
| Aluminium Profiles 80x40 mm | item Industrietechnik GmbH | https://www.item24.de/index.html |
| Locking pins | RS Components GmbH |  |
| Rotary table bearings | Igus | PRT-03-80 |
| Articulated arm | Hoffmann Group | Noga 3D Gelenkarm 120 |
| Aluminium Adapter plate | Gleich Aluminium |  |
| black anodized Aluminium | MVG (Metall Verkaufs Gesellschaft) |  |
| Rubber floor | RS Components GmbH |  |
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| Automatic feeder | MM-Aquaristik | Grässling Rundomatic 400 |
| Microcontroller | Distrelec | Mikrocontroller Board, Uno, A000066, ATmega328, A000066, Arduino |
| Microcontroller | Distrelec | Microcontroller Board, Mega2560, R3, A000067, ATmega2560, A000067, Arduino |
| Arduino Motor Shield | Distrelec | Arduino Motor Shield R3, A000079, SHIELD MODEL MOTOR, Arduino |
|  |  |  |
|  | Distrelec | Grove - Summer, Arduino, Raspberry Pi, BeagleBone, Edison, LaunchPad, Mbed, Galiel, 107020000, Seeed Studio |
| Power supply | Distrelec | Netzgeräte 24 VDC/2.5 A, OWA-60E-24, Mean Well |
| Power supply | RS Components GmbH | Mean Well Notebook Netzgerät getaktet, 9Vdc / 4.45A |
| Cable | Distrelec | Konfektioniertes Kabel 3 M8 Buchse M8 Stecker 2 m, 21348081380020, HARTING |
| Plugs | RS Components GmbH | Murr Elektronik Serie 7000 Stecker gerade, Buchse 3-polig, Buchsenkontakte Crimpanschluss, 4A, Steckbar |
| Pin contacts | RS Components GmbH | Murr Elektronik Serie 7000 Stecker gerade, Stecker 3-polig, Stiftkontakte, 4A, Steckbar |
| RGB LED | Exp-tech | Addressable Through-Hole 5mm RGB LED with Diffused Lens, WS2811 Driver (10-Pack) |
| Steel spur gear 12 teeth | RS Components GmbH | Stahl Stirnrad 12 Zähne, Modul 0.5, Teilungs-Ø 6mm, Naben-Ø 8mm, Bohrung 3mm |
| Distance sensor | Conrad | Distanz-Sensor 1 St. GP2Y0A41SK0F Sharp 5 V/DC Reichweite max. (im Freifeld): 30 cm |
| USB ports | RS Components GmbH | USB-Steckverbinder Typ B, Buchse, rechtwinklig, Durchsteckmontage, 1,5A |
| BNC connector cable | RS Components GmbH | BNC-Verbindungskabel RG58 5m |
| Stepper motors | Nanotec | Permanentmagnet- Schrittmotoren |
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| heaters | **Tower TCH7090ERD** | <http://www.delonghi.com/de-de/produkte/klima-comfort/heizgerate/schnellheizer/tch-7091-0114492067> |

Egr1\_3\_F   
TACTCTTCCCCCGTGACCTCATACTCT

Egr1\_3\_R   
 CACCAAATATCCCACTGGCAGTAAAGC

Egr1\_4\_F\_nested  
ACTCTTCCCCCGTGACCTCATACTCTT

Egr1\_4\_R\_nested  
TTTTGAGAAGTTCGGGTTGTTTGTTTG

Npas4\_3\_F   
GTTTTGCAAATCCTGGTACAGCCTGAT

Npas4\_3\_R  
TCATCTAACCCGTCACAGGGAGAGTTT

Npas4\_1\_F\_nested  
AGCCTGATTCATCCAGAAGACTTGAGC

Npas4\_1\_R\_nested  
GGACTACTGACATTCACACCGCAGAAC

homer3\_F  
TTTTTCACCCTGCAAGACAACAACAAC

homer3\_R\_nested   
CATTATGCCCATCTCACTTCACTTGGA

homer3\_1\_R   
TAAGCAAATGGAAAAGAGACCGATTGC