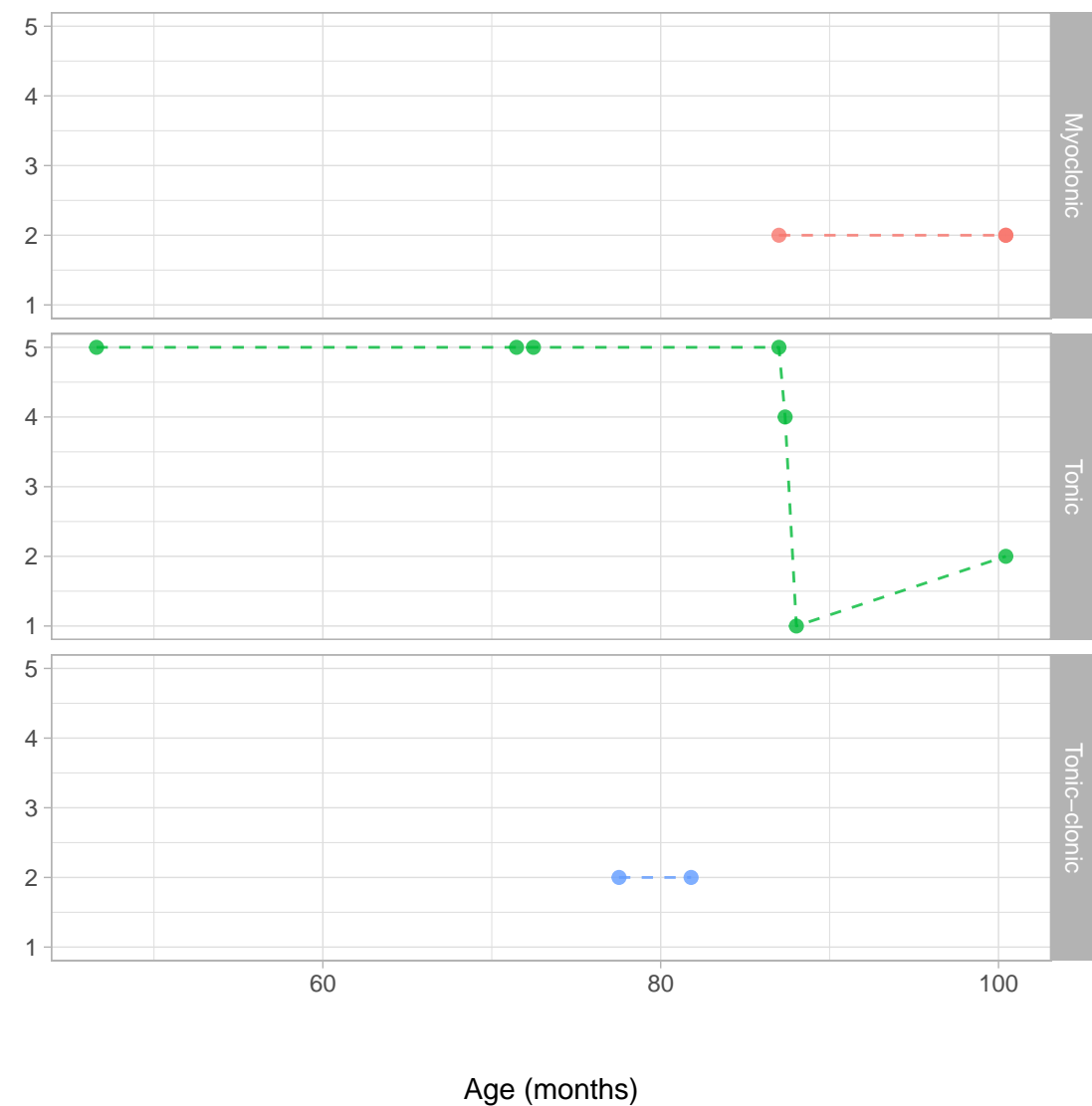
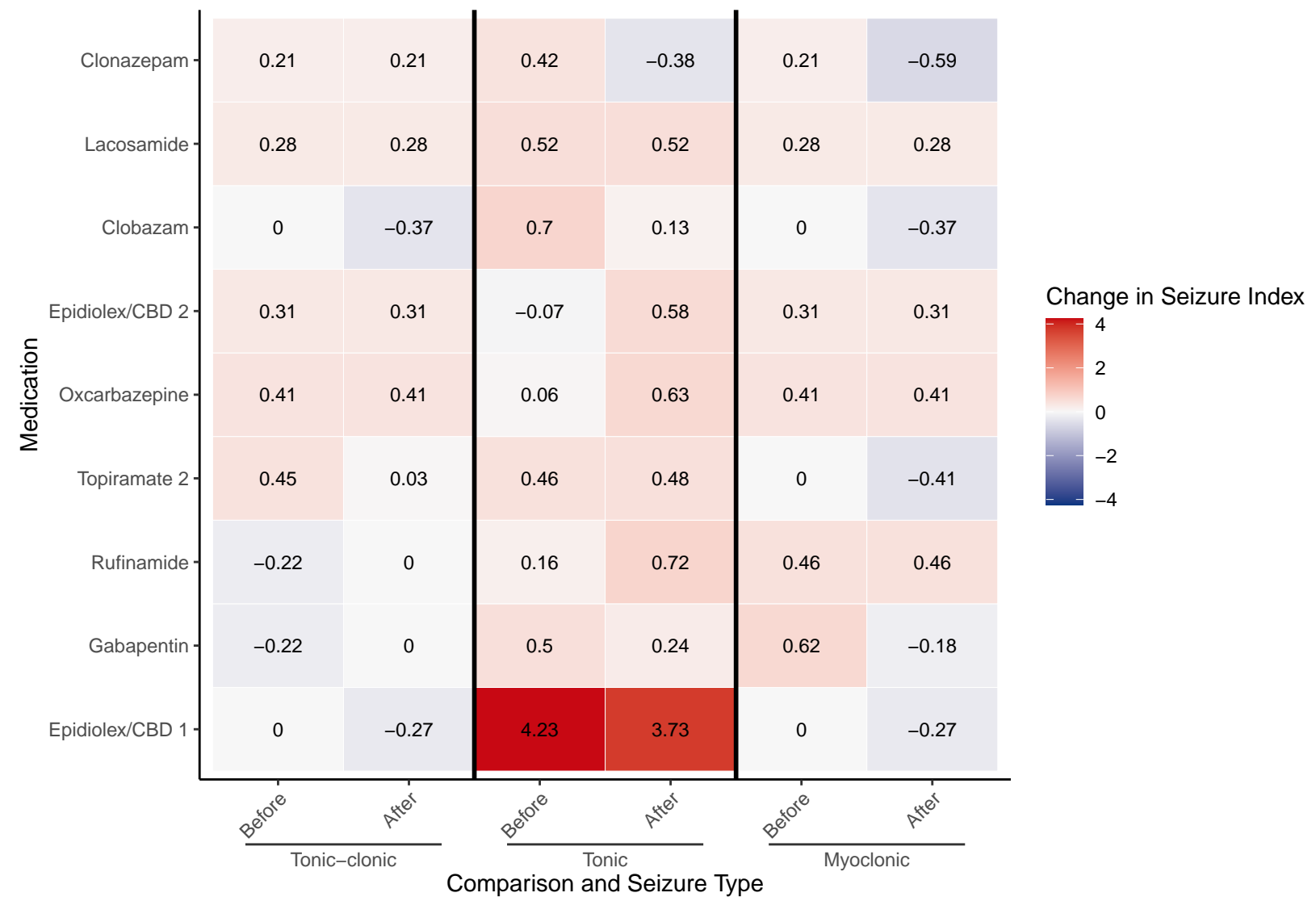


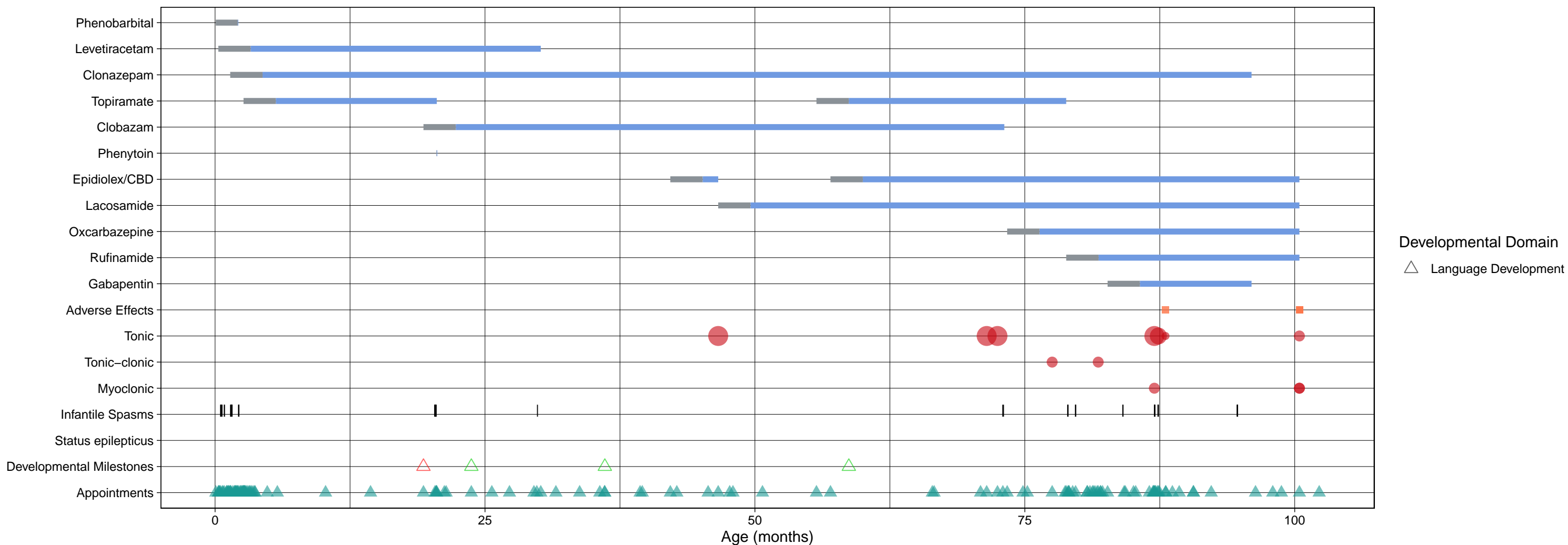
Seizure Index



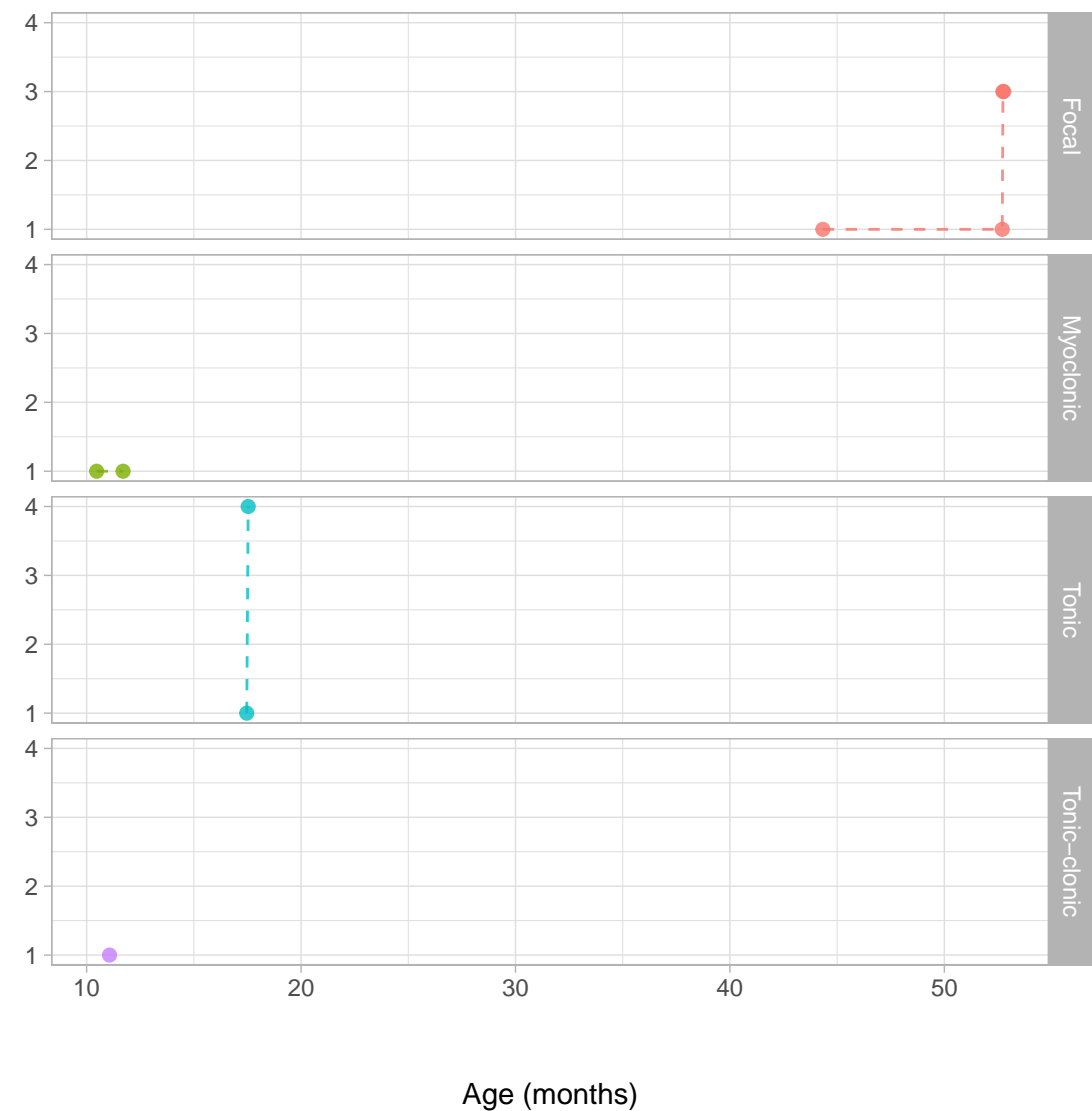
Seizure Index Comparisons



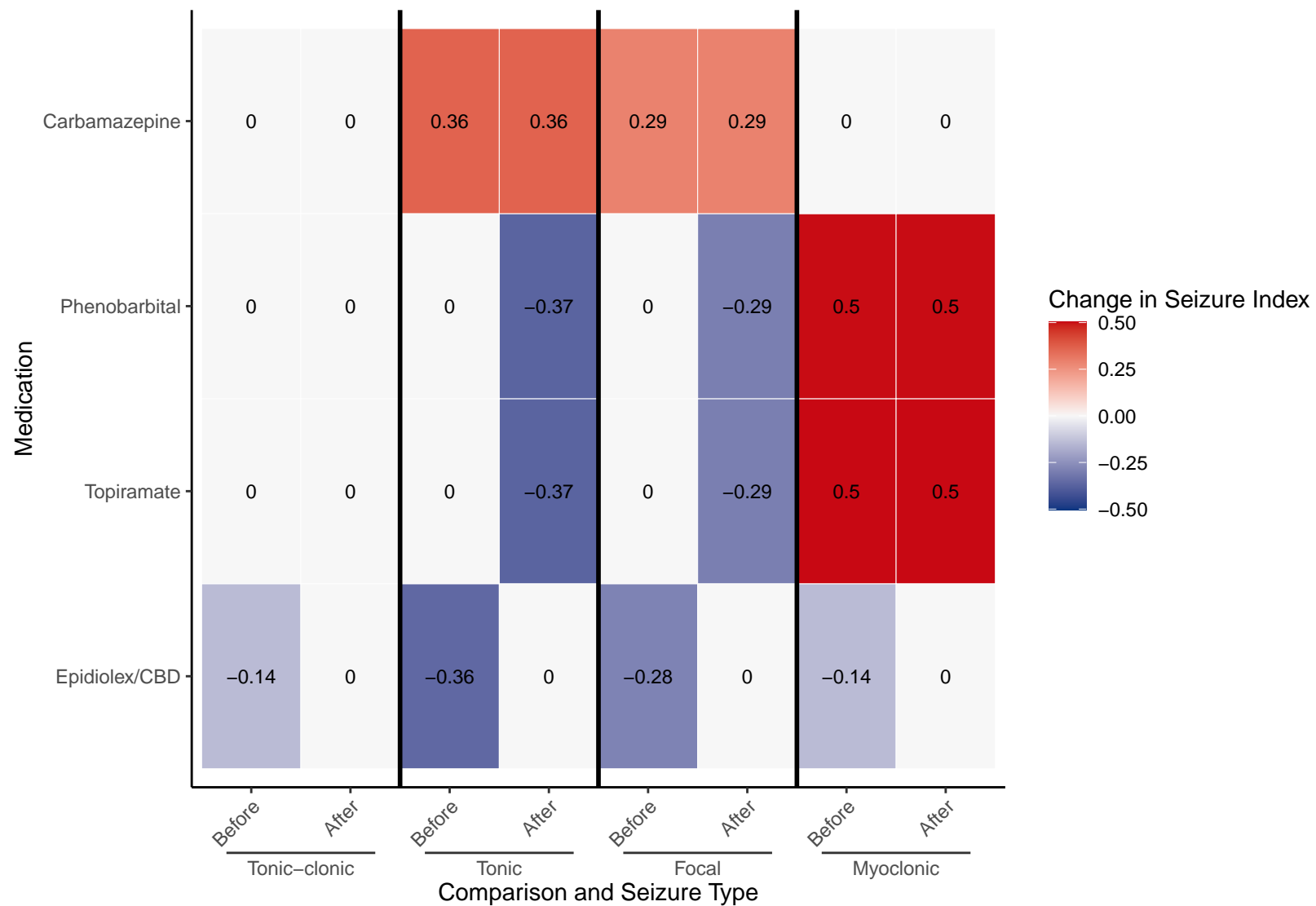
aeff5c7c-86ea-4d70-a891-a34fe4477fe0 (Registry #167) (p.Arg45Gln)



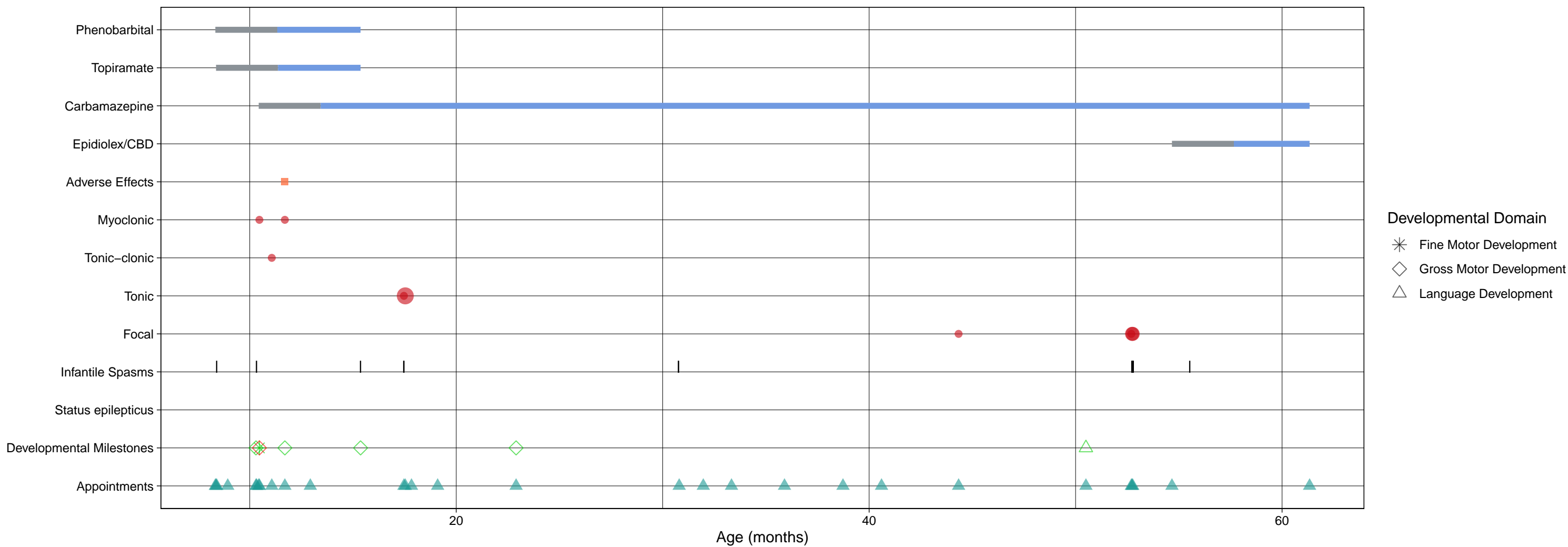
Seizure Index



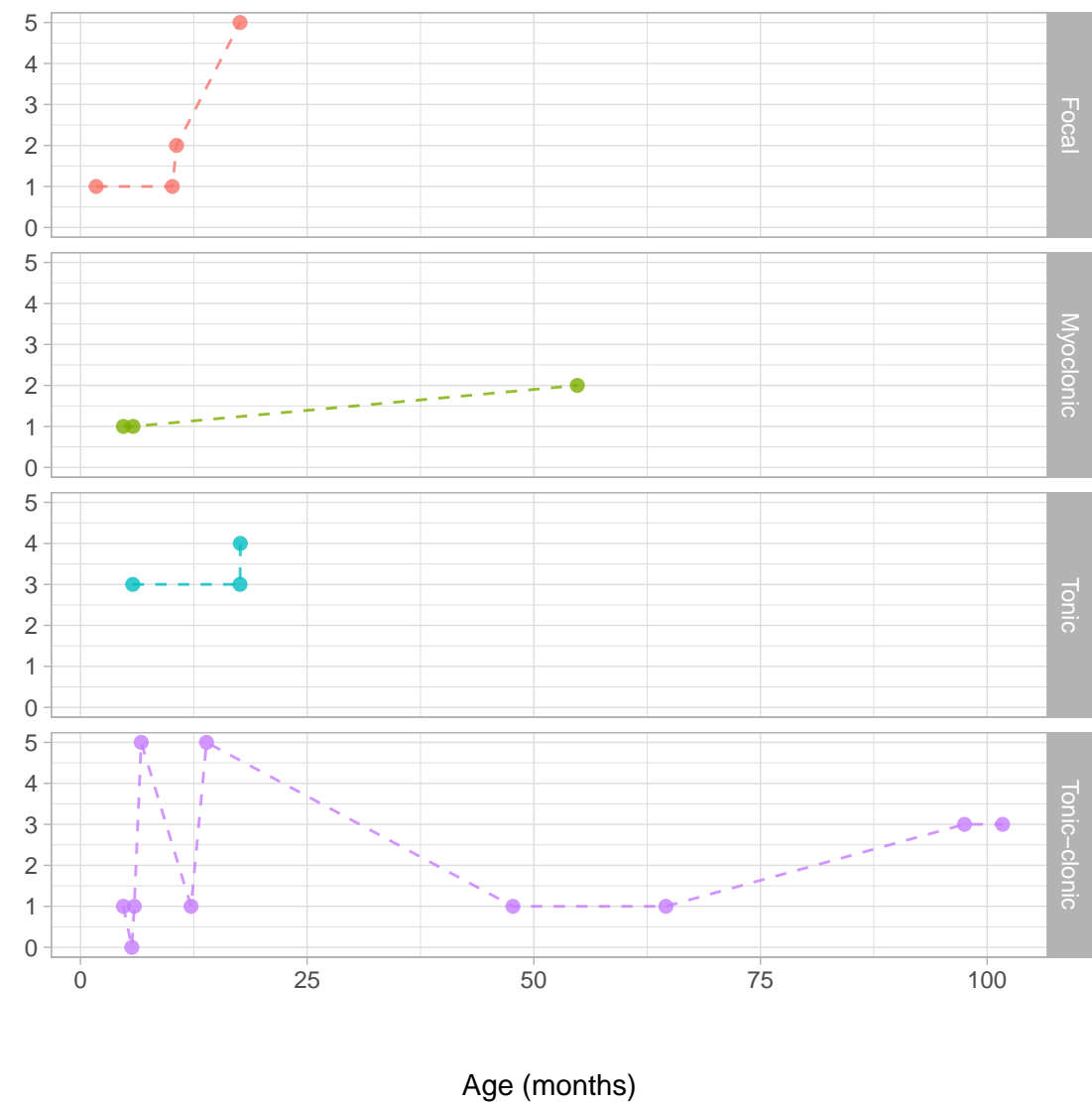
Seizure Index Comparisons



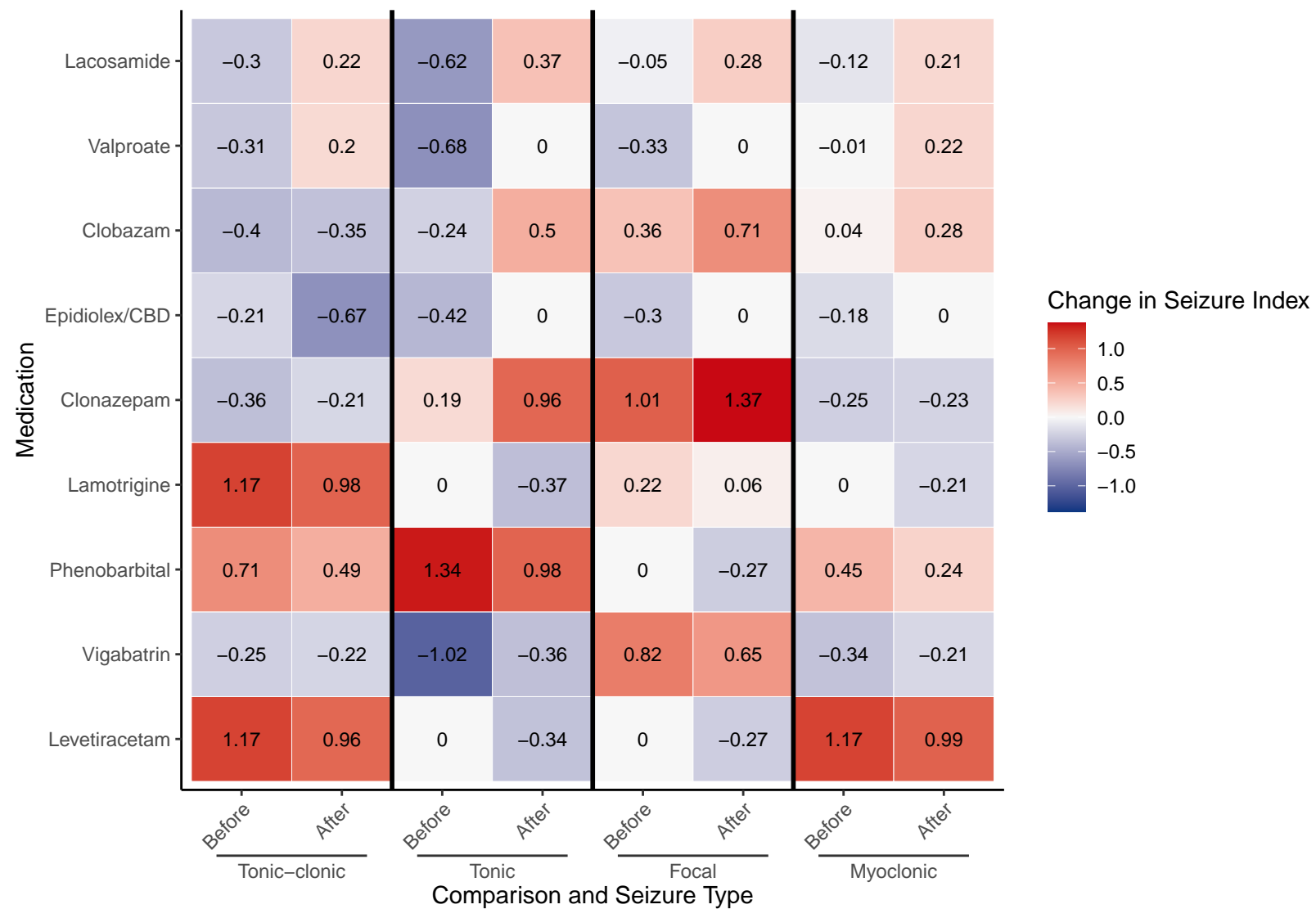
a729e5c1-bb70-4582-82a5-141ee71bf9ac (Registry #350) (p.Ser132Pro)



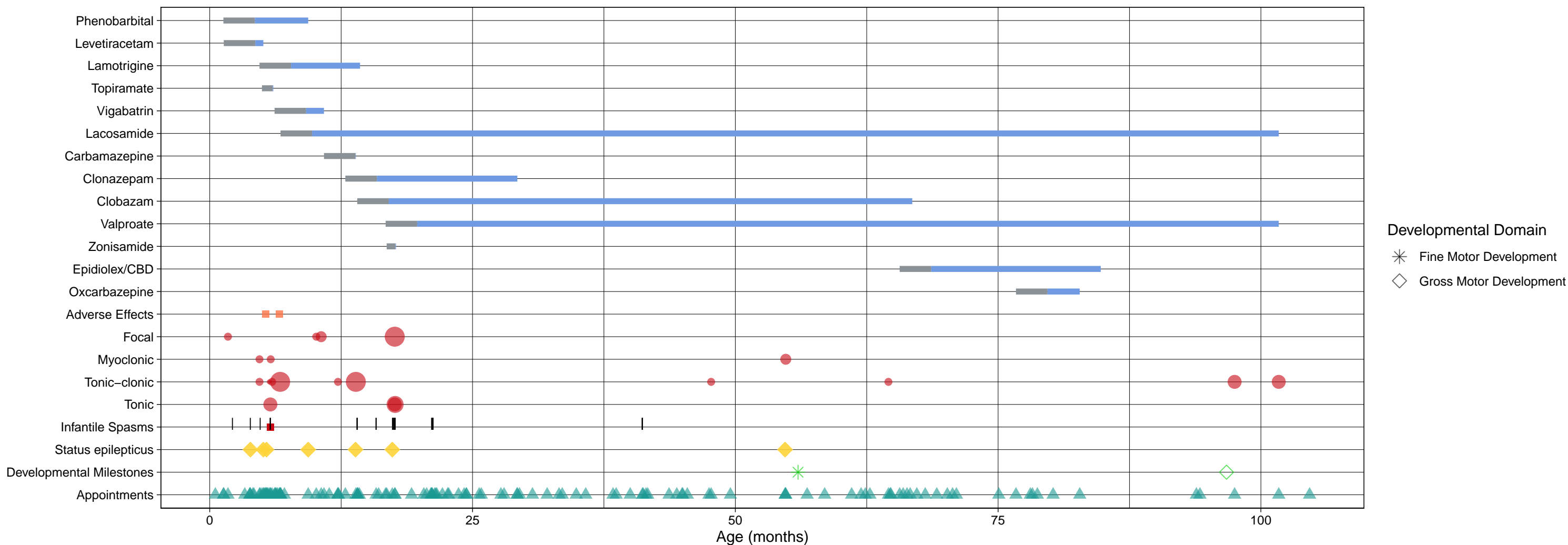
Seizure Index



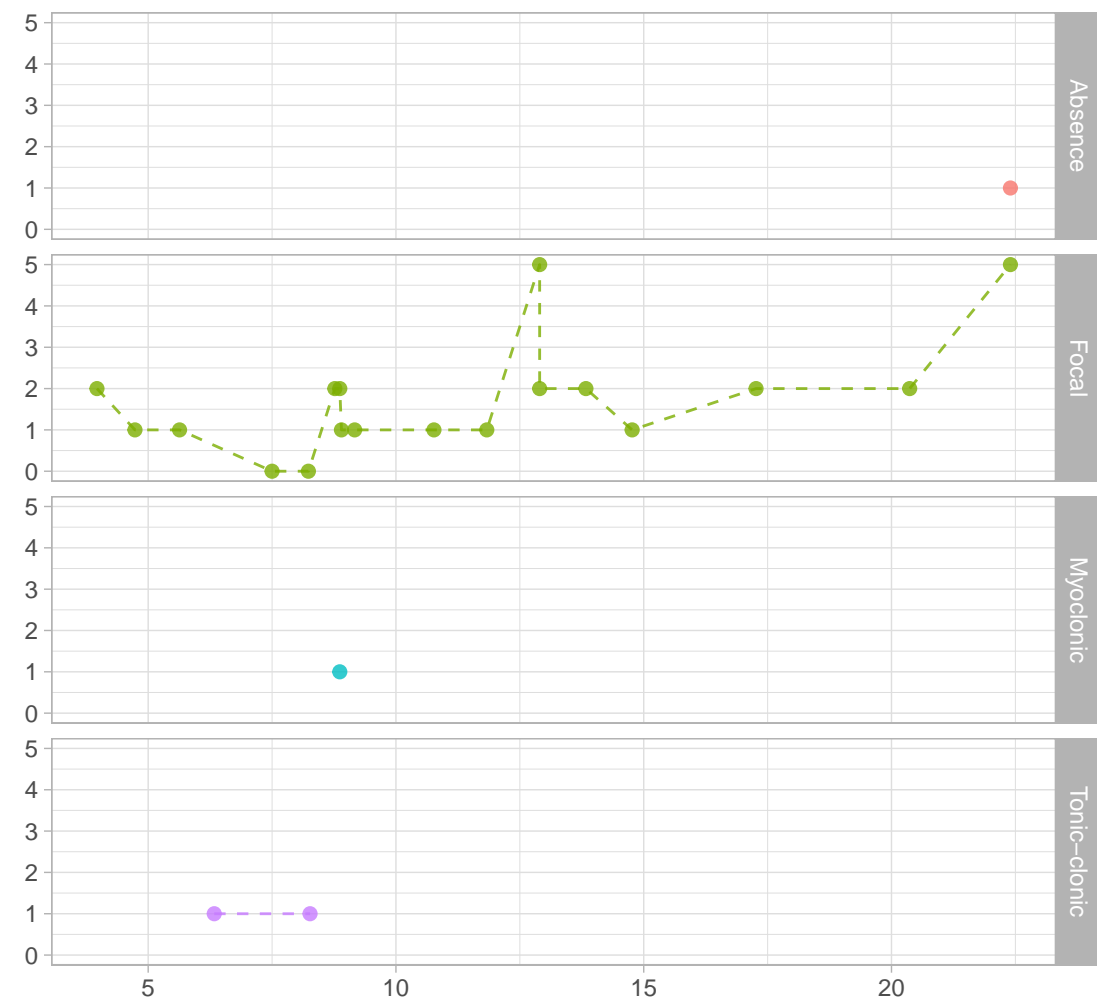
Seizure Index Comparisons



6e5adadd-cc5c-4a50-90a1-0a8997a9e87d (Registry #165) (p.Thr166Ile) – IF

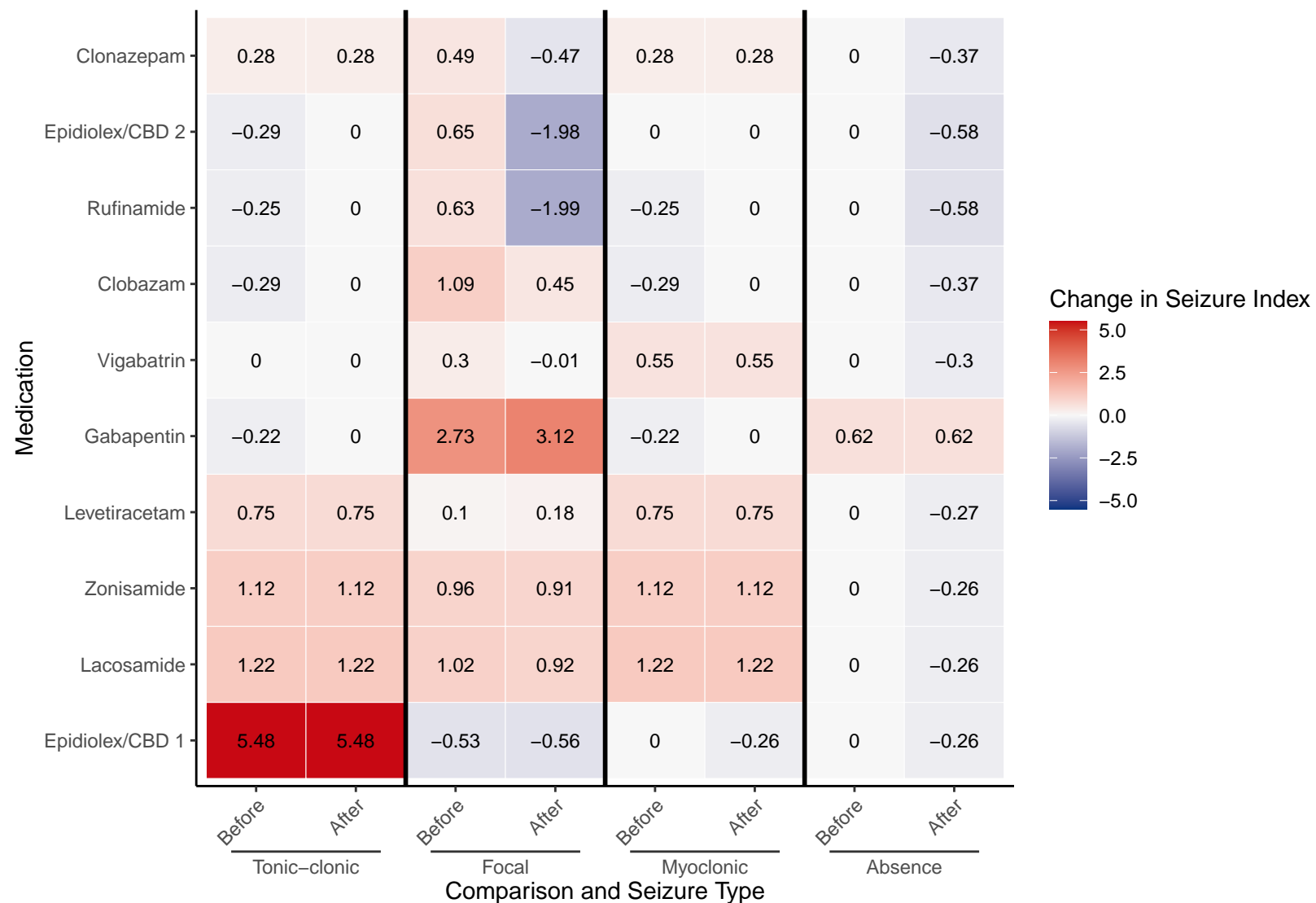


Seizure Index

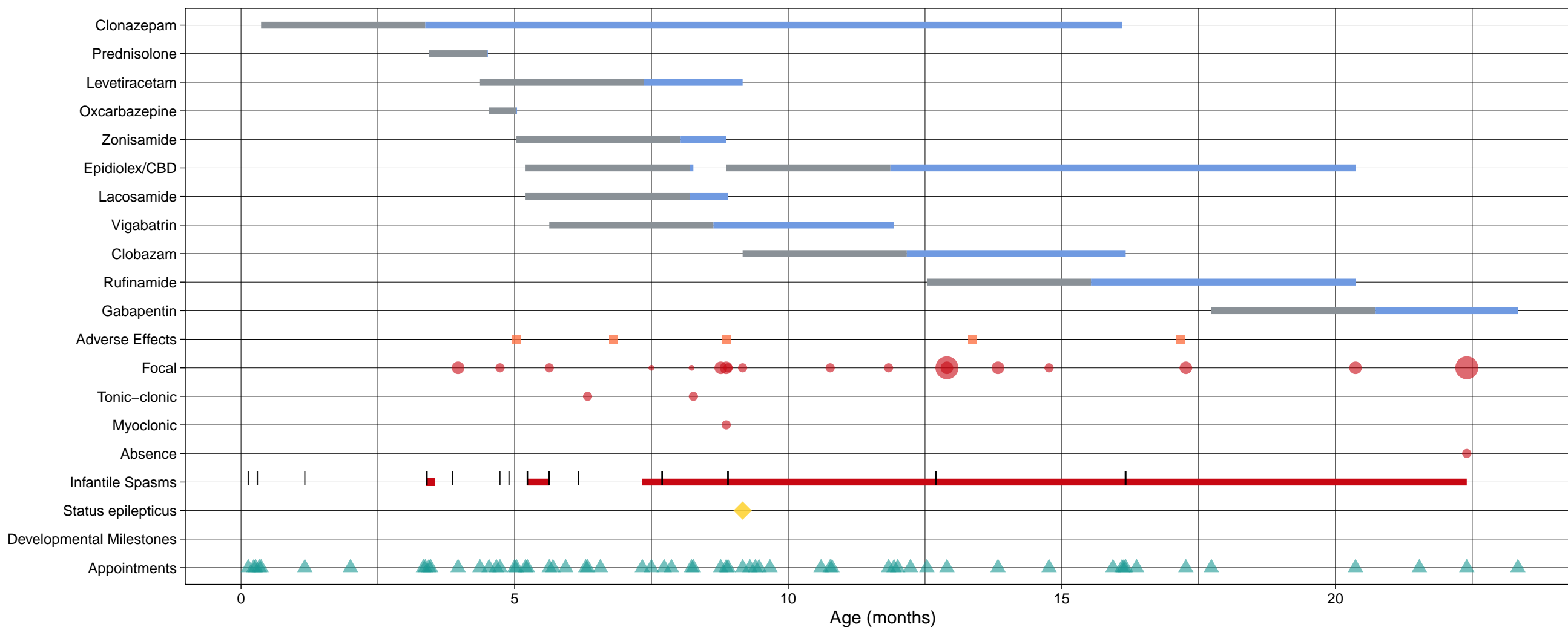


Age (months)

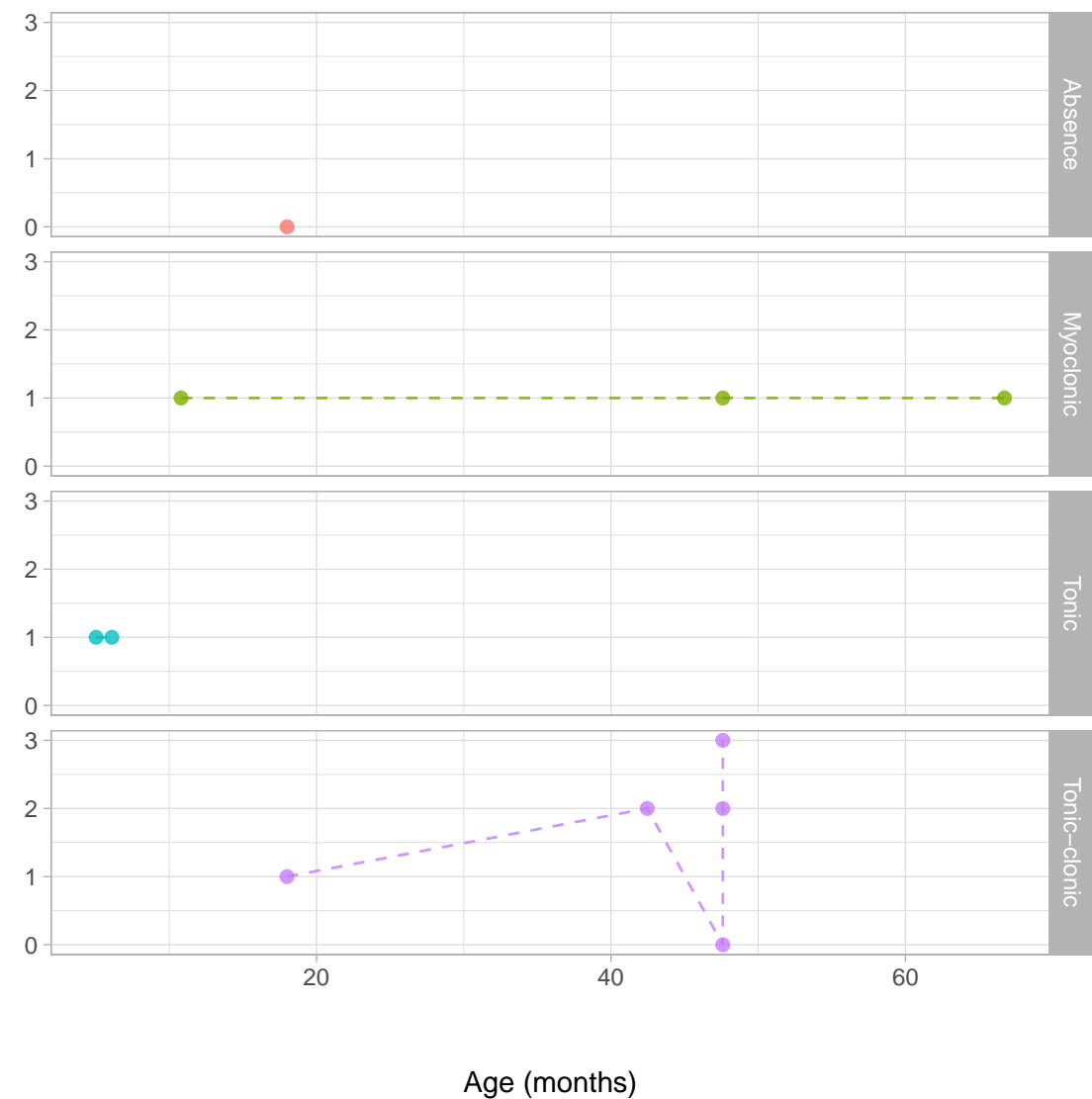
Seizure Index Comparisons



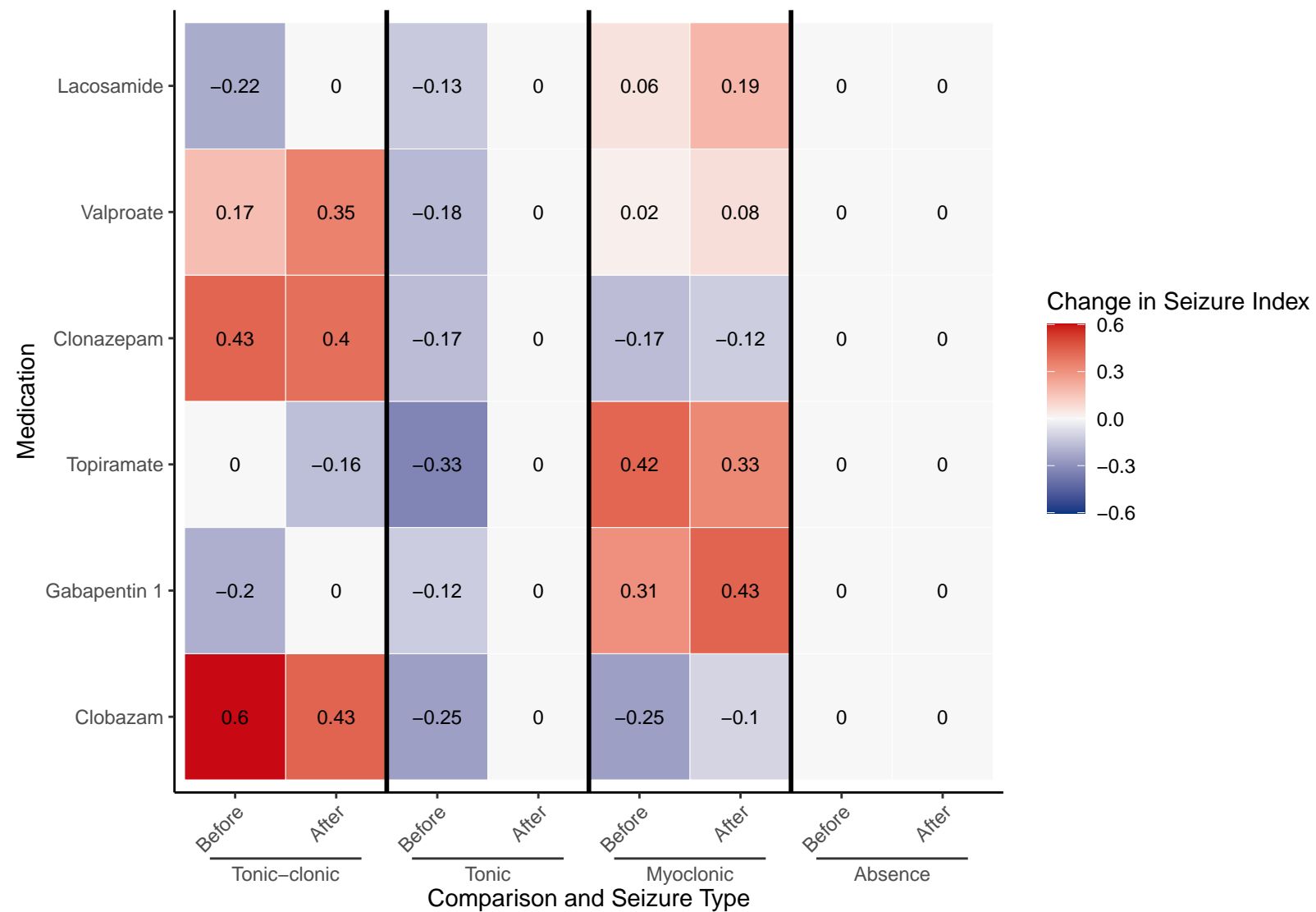
166766fd-f23b-4306-a2f8-91e5f20a4172 (Registry #530) (p.Ala205Glu) - IF



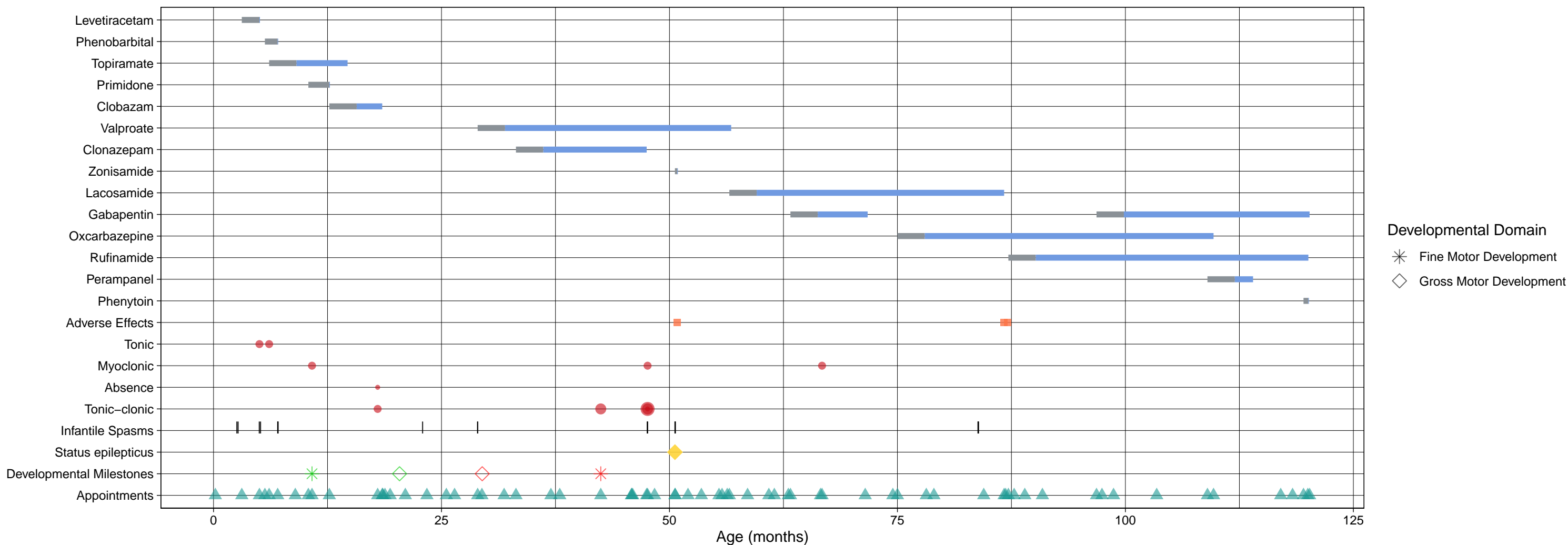
Seizure Index



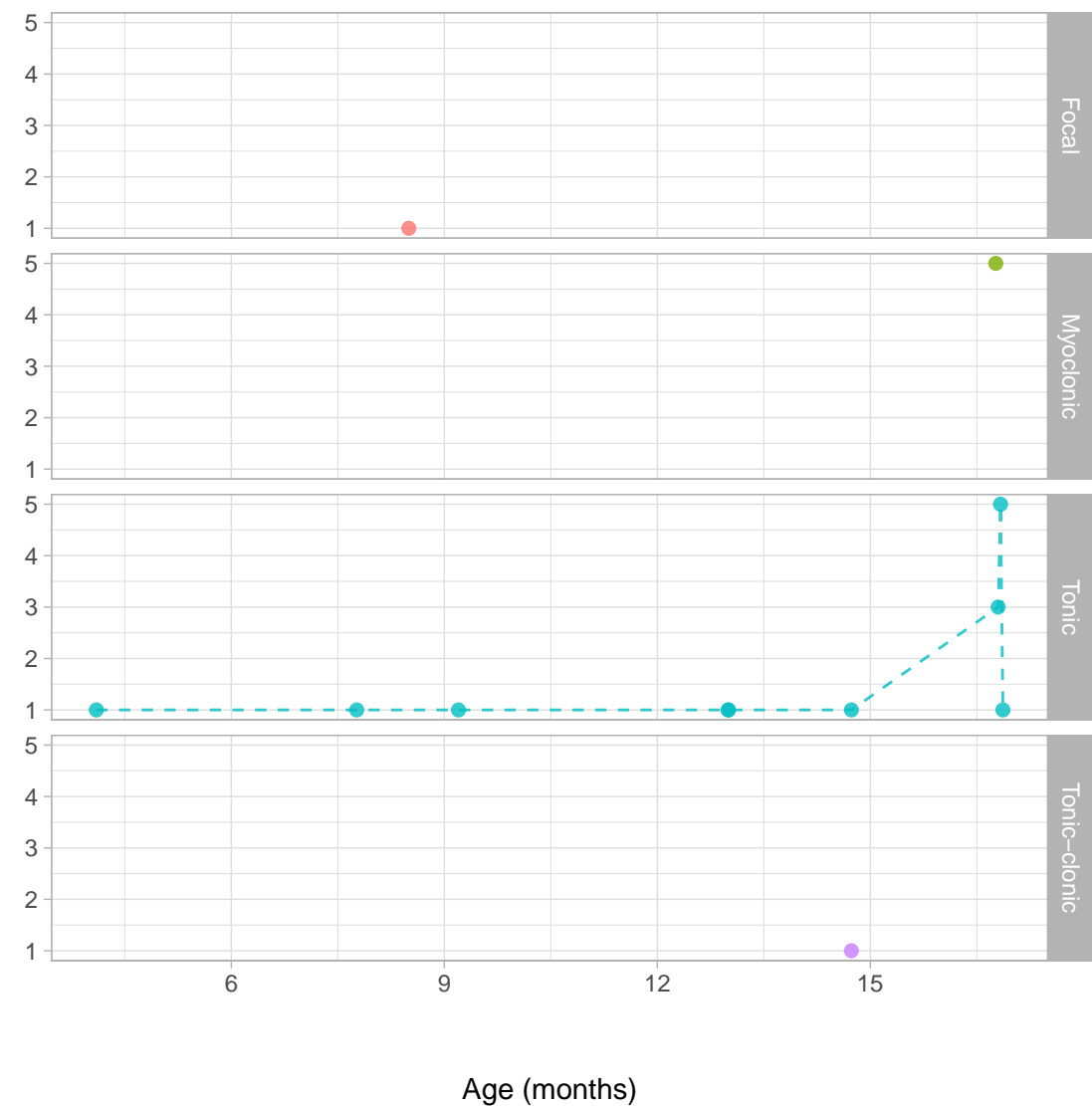
Seizure Index Comparisons



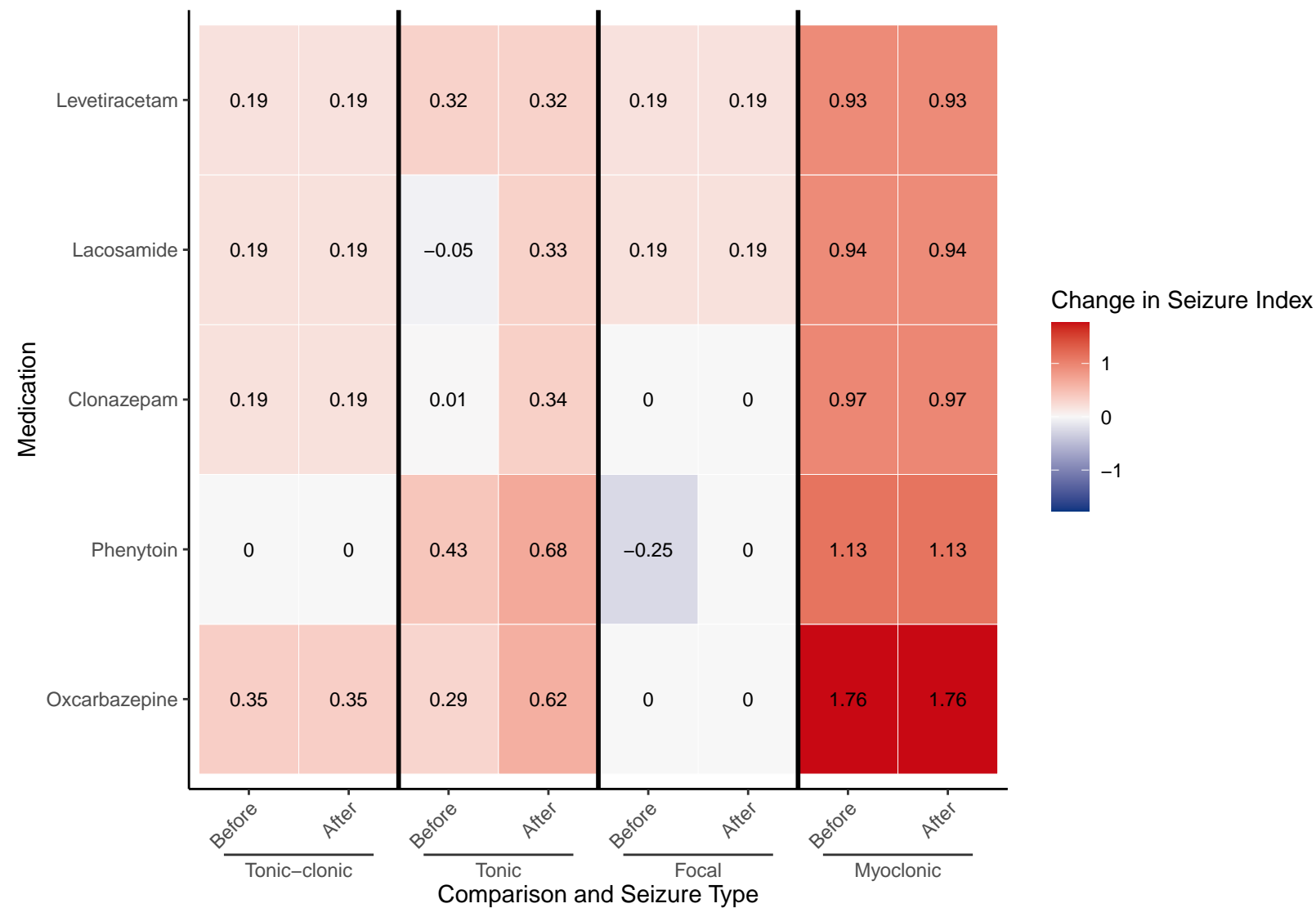
a0a0ed2d-1f61-4fa4-86e7-91fcde0ae084 (Registry #103) (p.Ile240Leu)



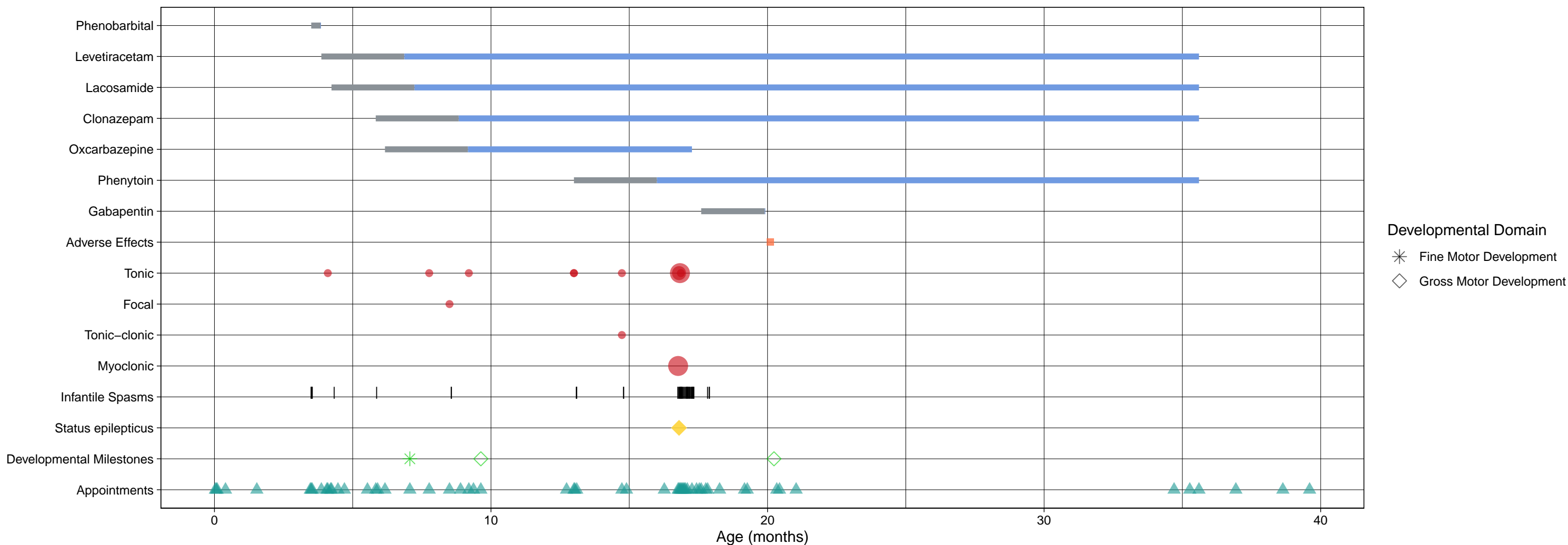
Seizure Index



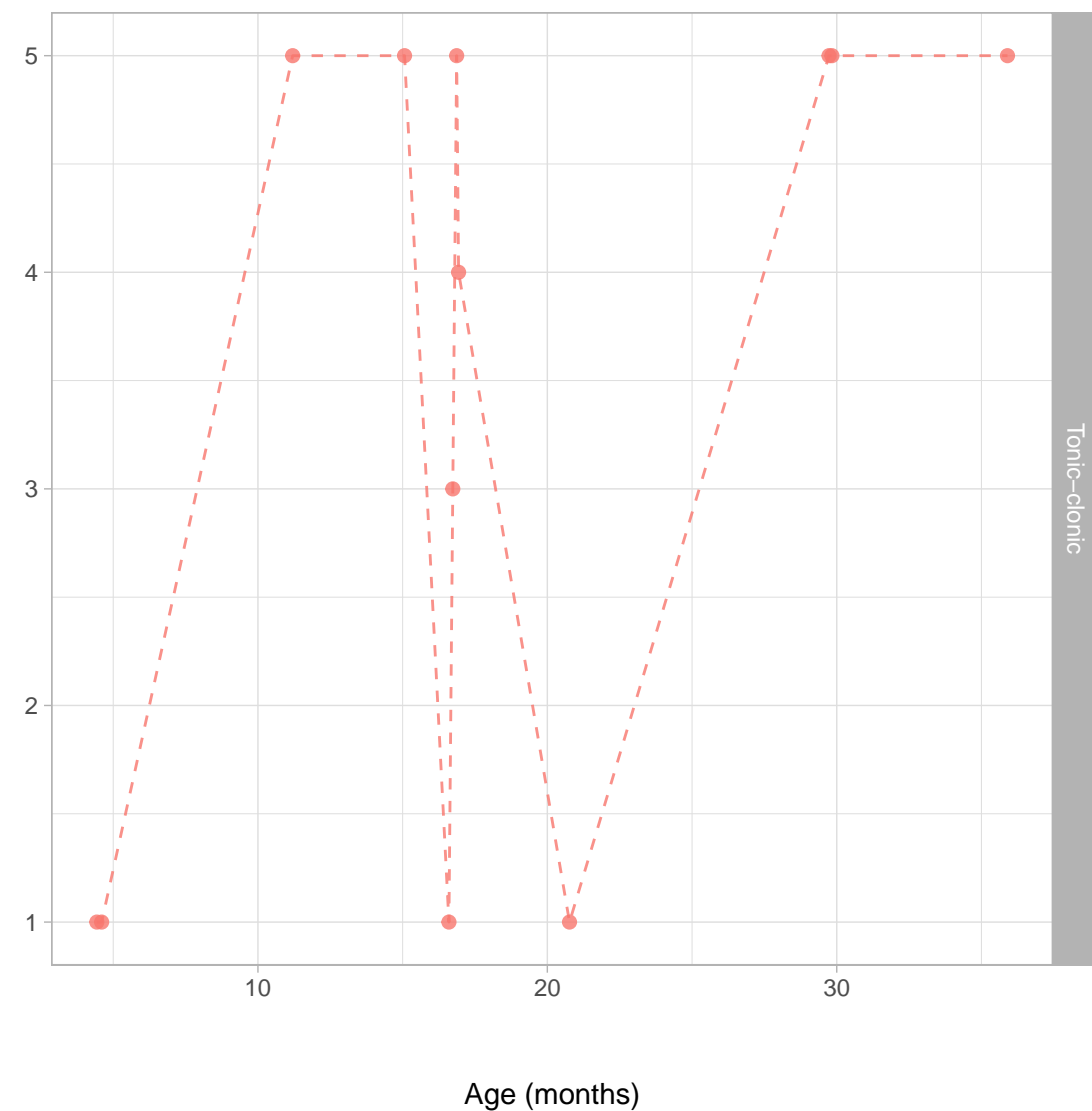
Seizure Index Comparisons



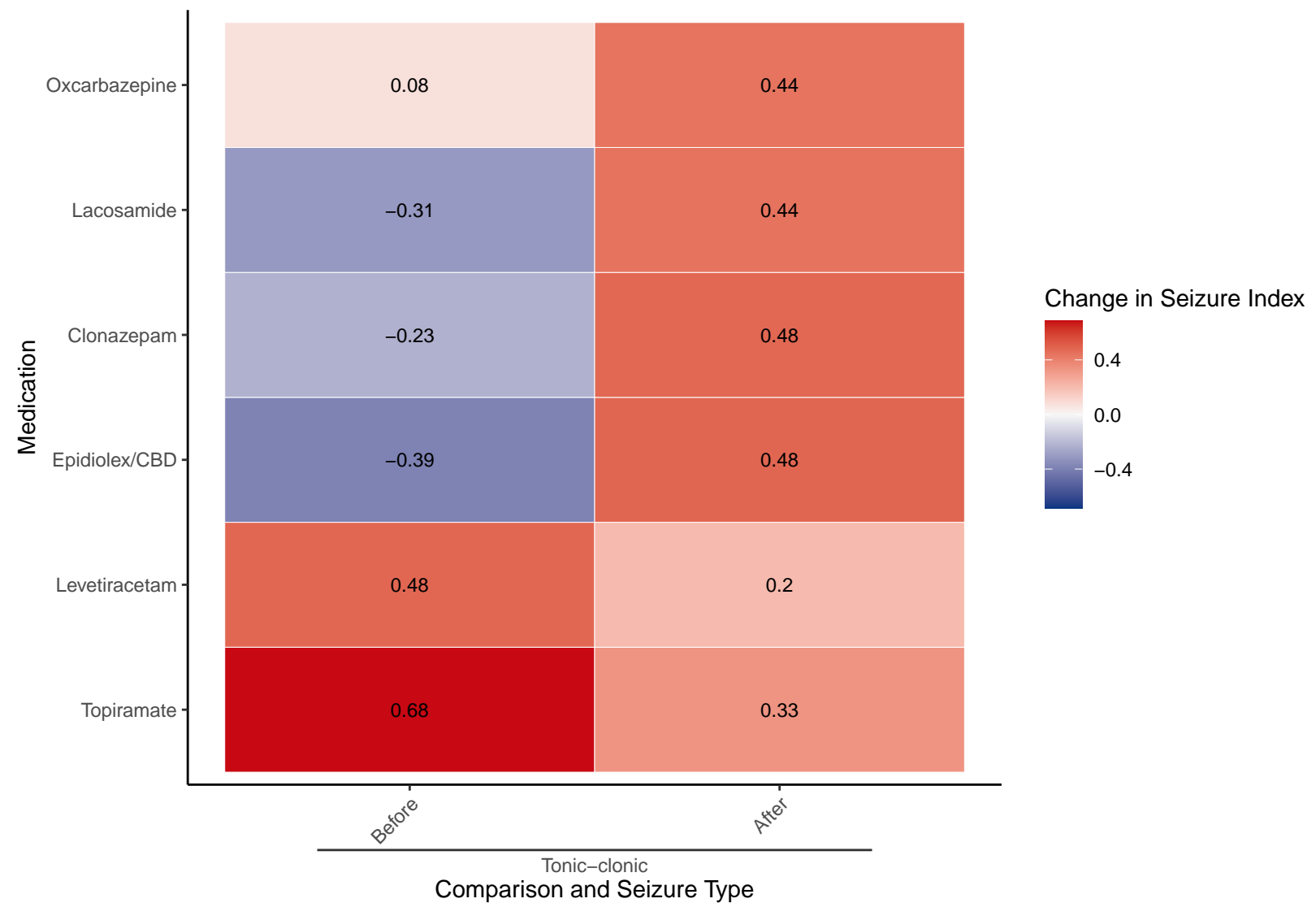
edb5f39d-987a-481e-8a09-2b549a96e92e (Registry #281) (p.Leu267Ser)



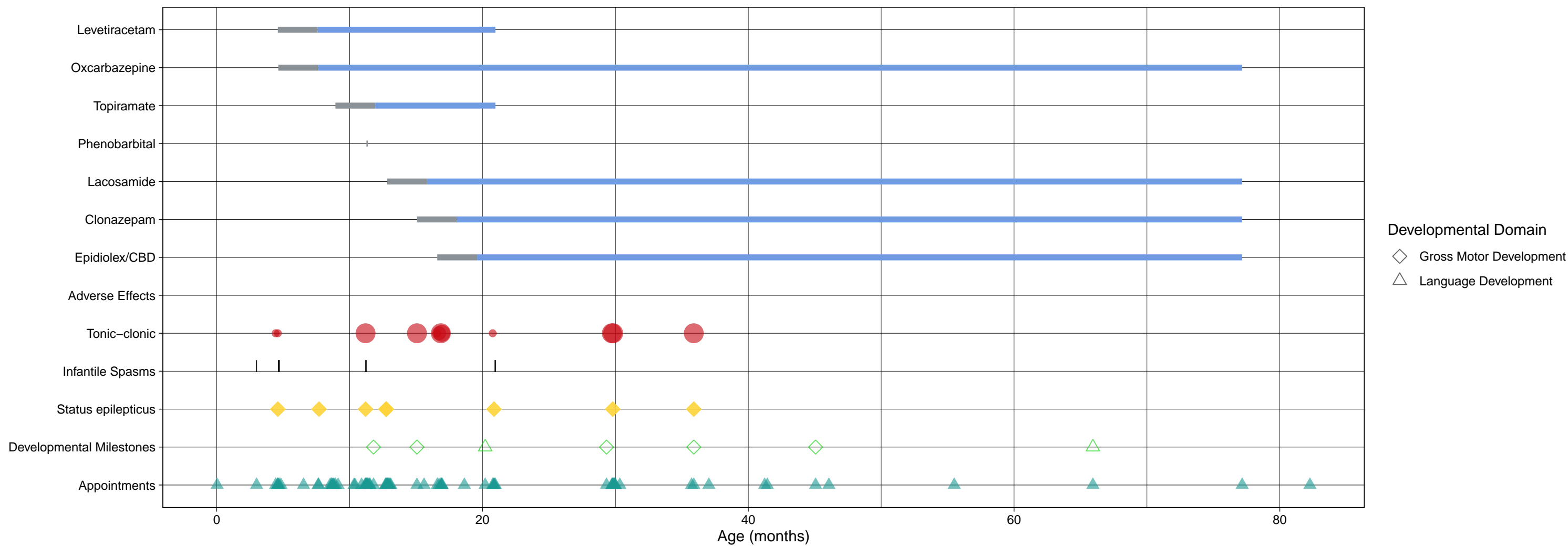
Seizure Index



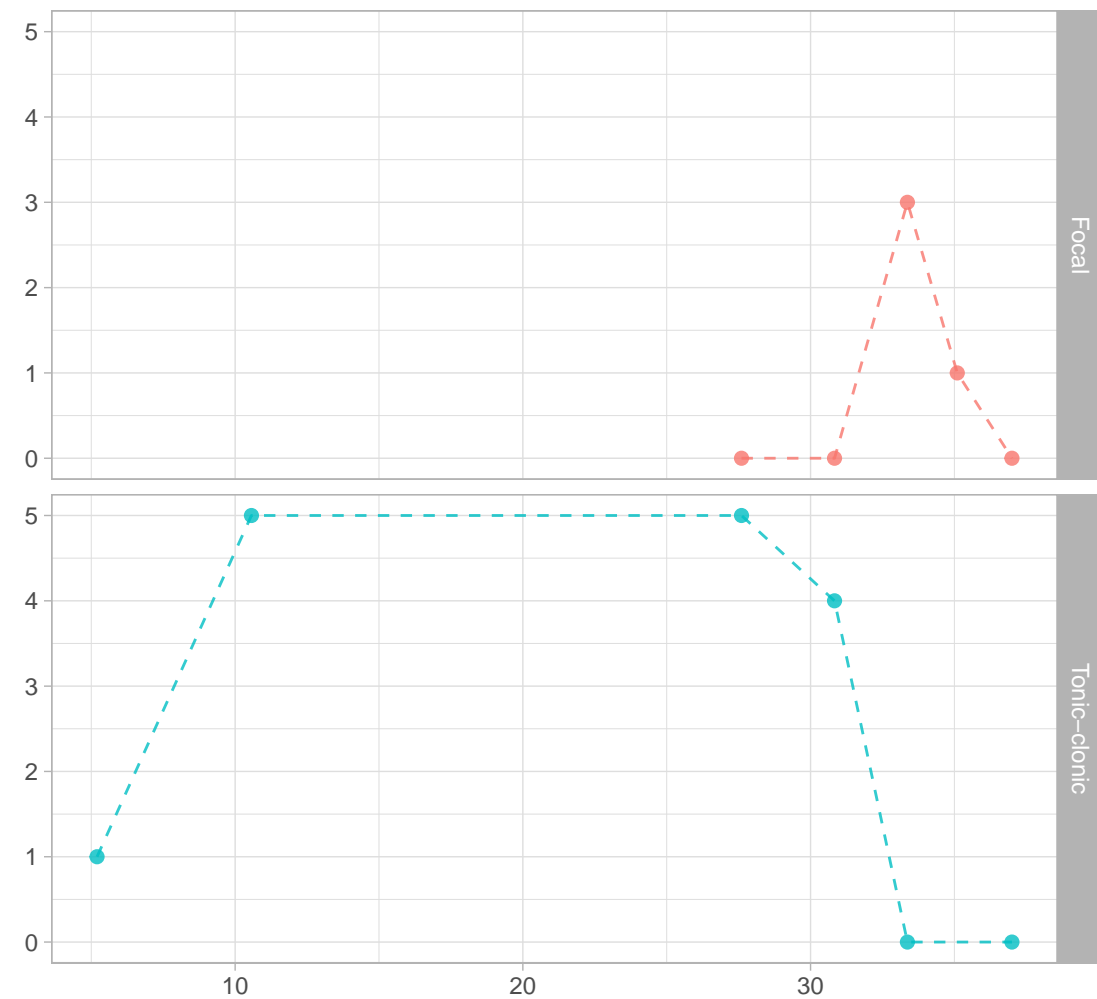
Seizure Index Comparisons



dc15a4e2-a7f1-42be-8418-d5da4f2abe40 (Registry #135) (p.Met367Val)

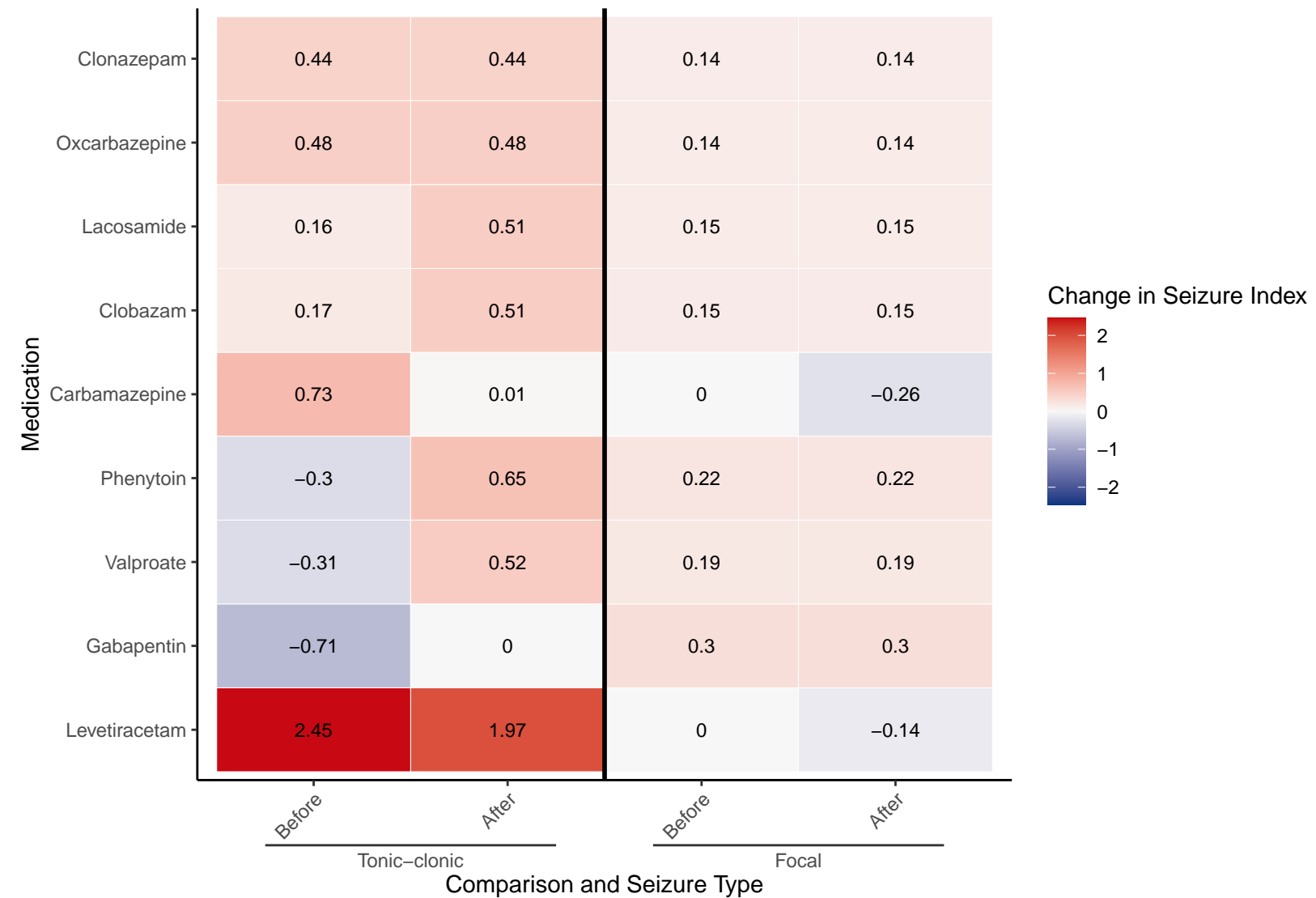


Seizure Index

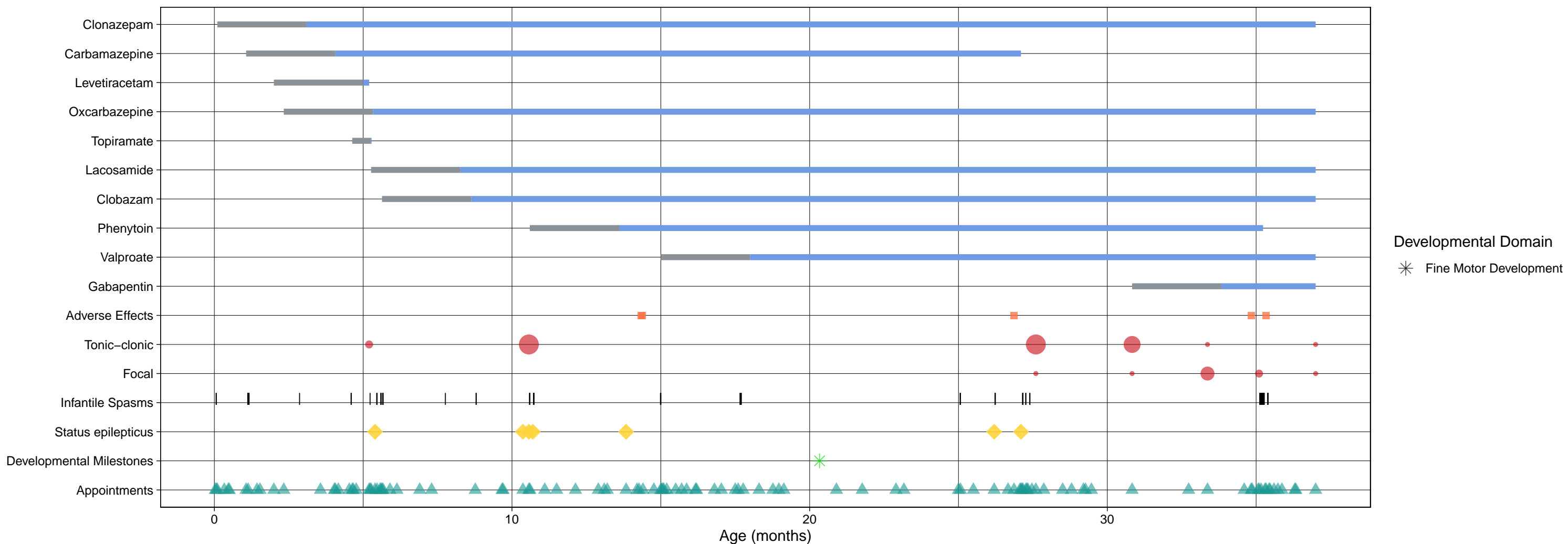


Age (months)

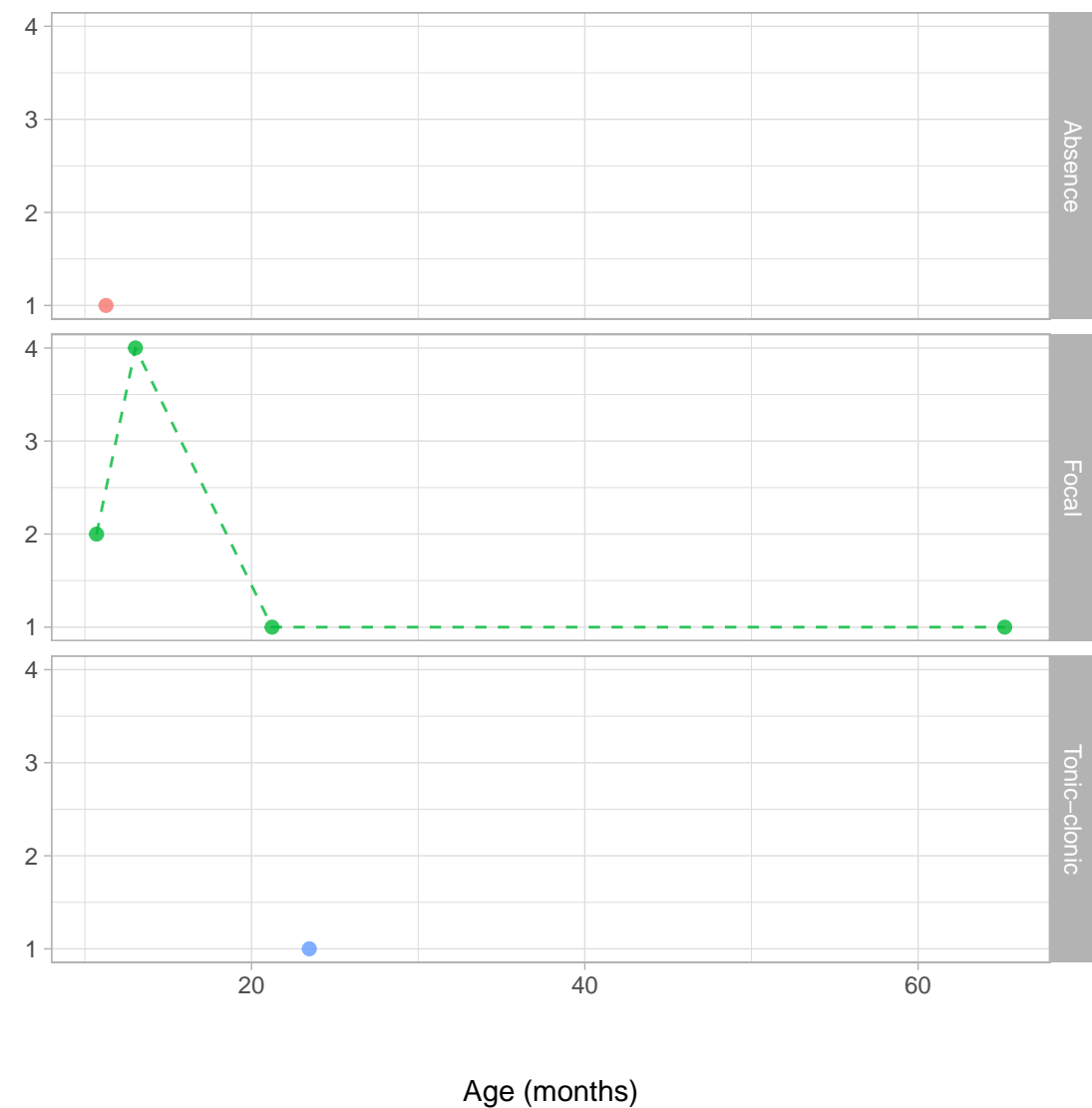
Seizure Index Comparisons



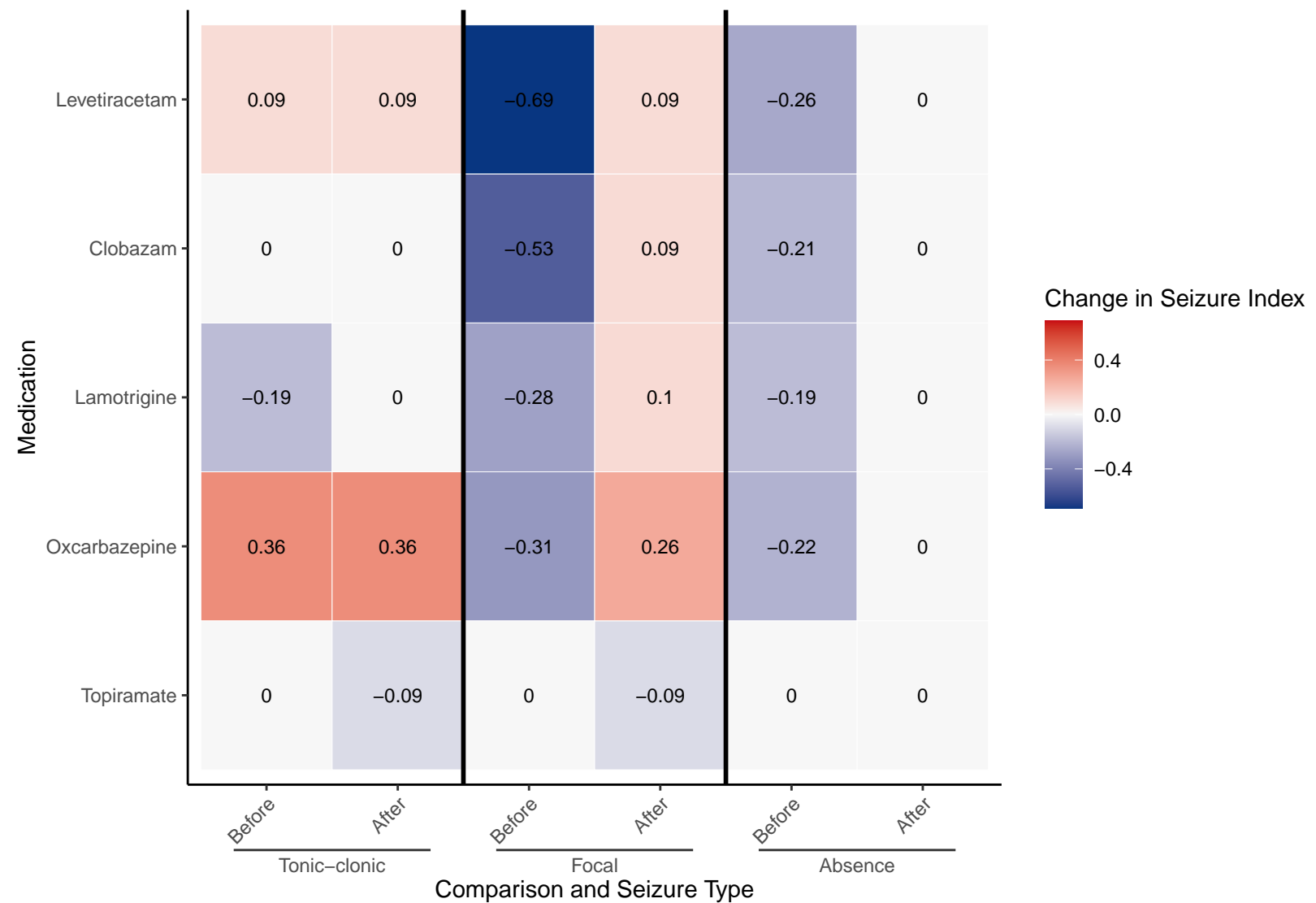
b9a49da3-795b-49a5-a198-b54b69efc7fe (Registry #363) (p.Val409Leu)



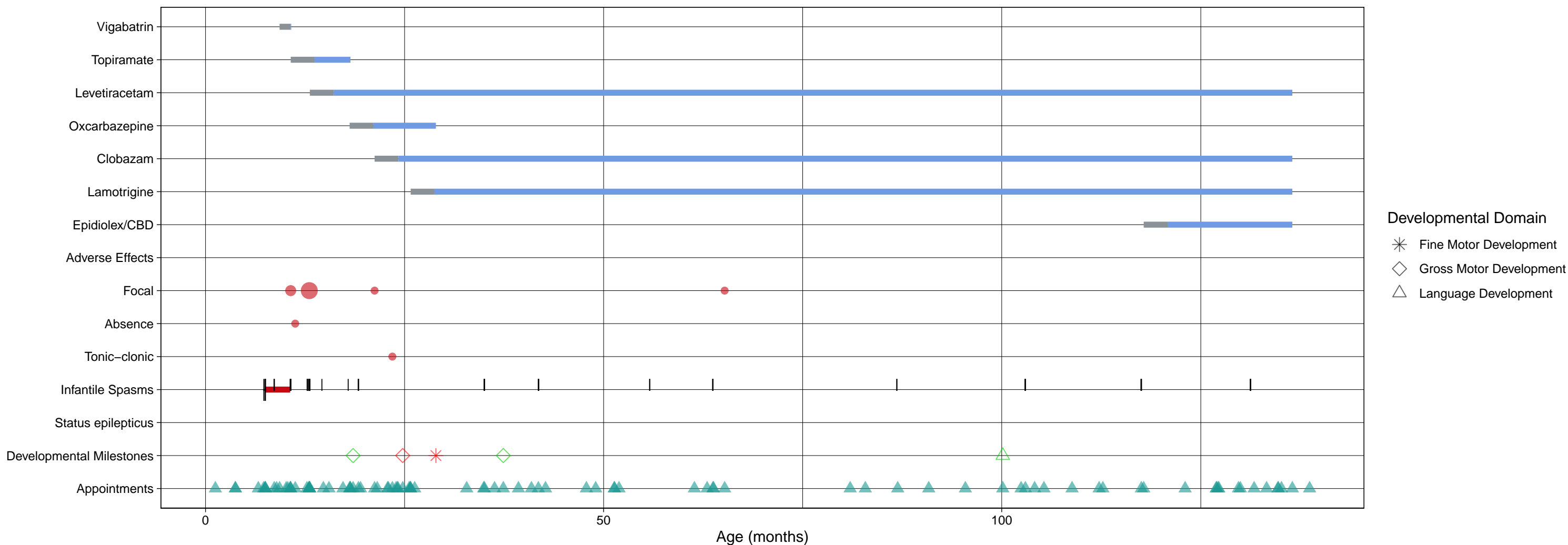
Seizure Index



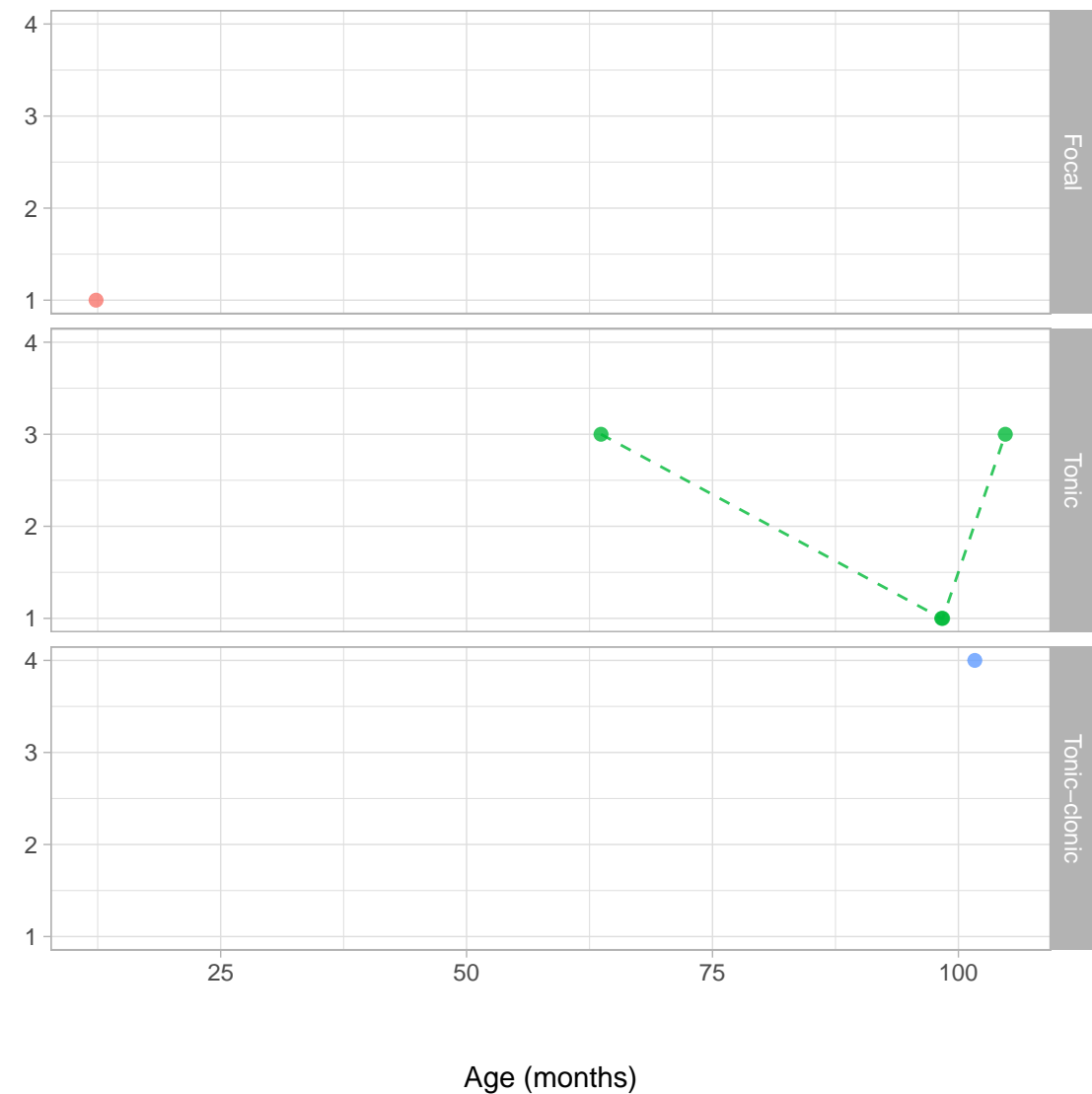
Seizure Index Comparisons



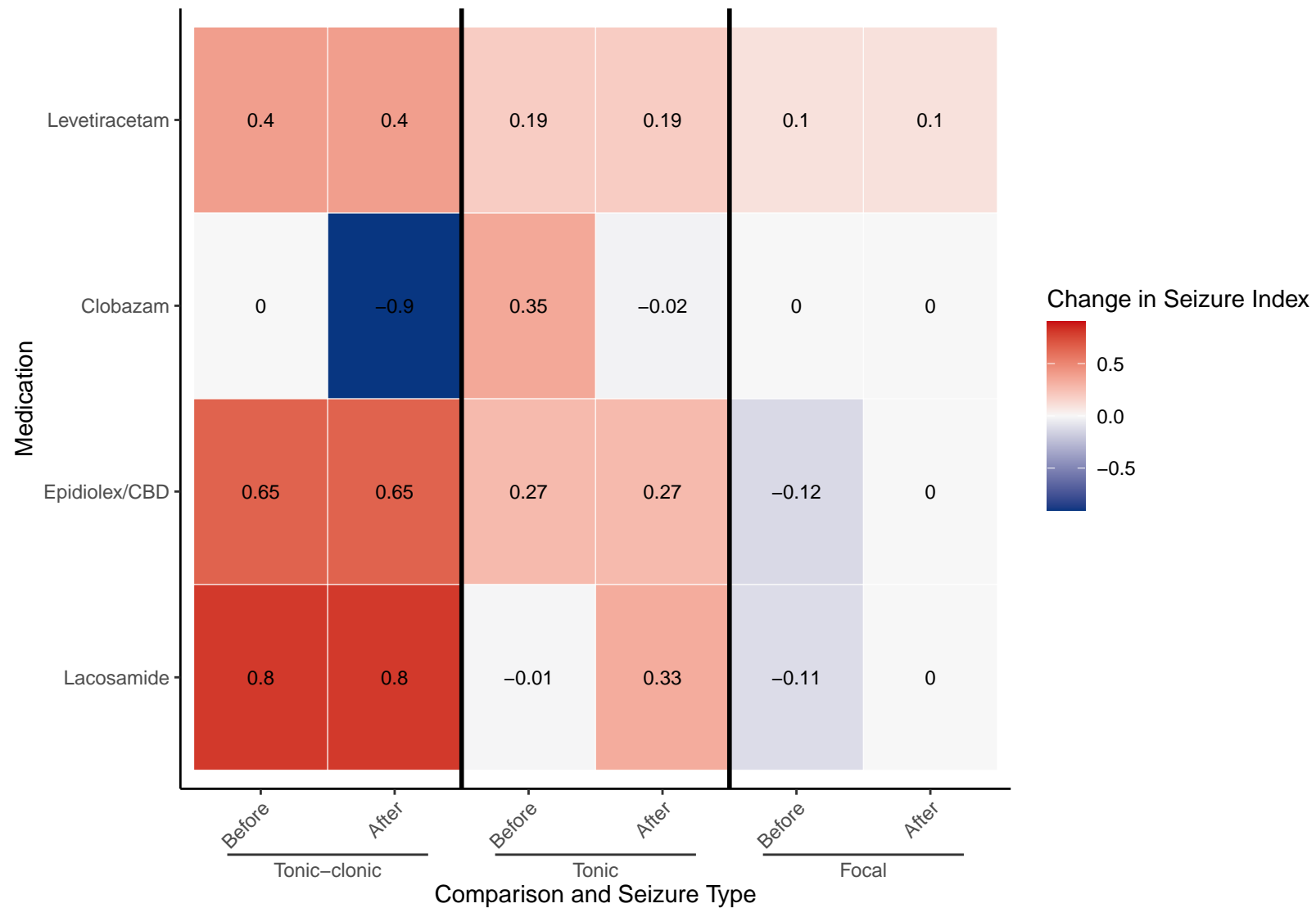
42e08160-64fd-4f1f-9d7a-f771650073d7 (Registry #109 and 1285) (p.Val410Leu) - IF



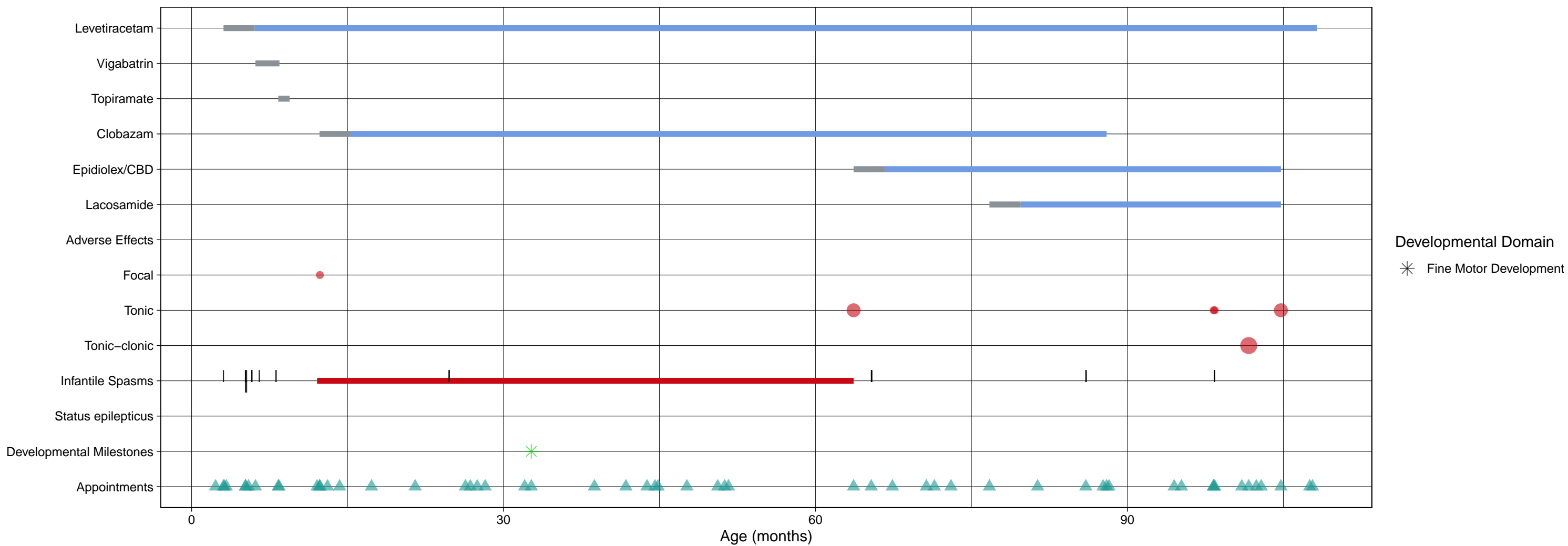
Seizure Index

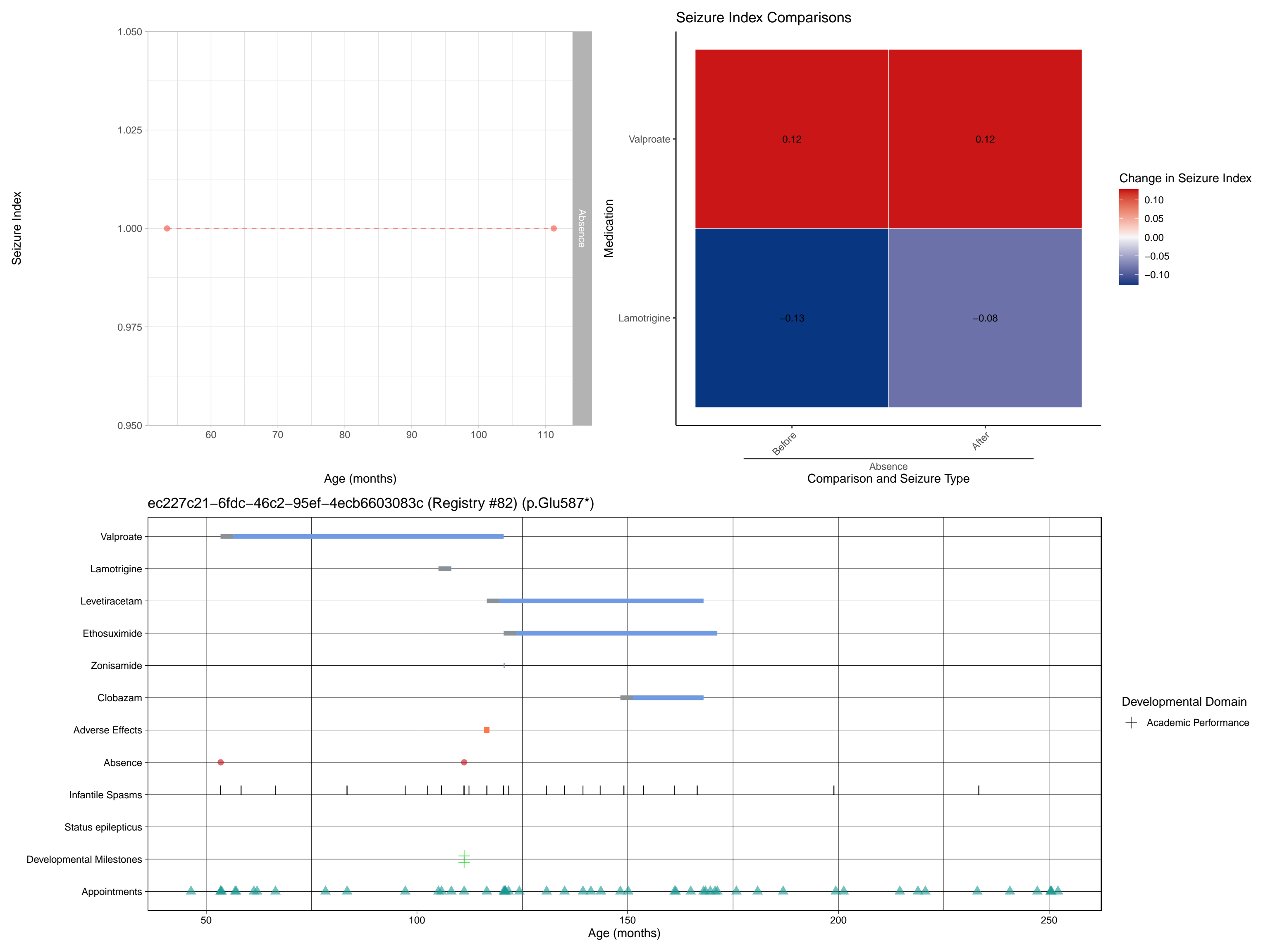


Seizure Index Comparisons

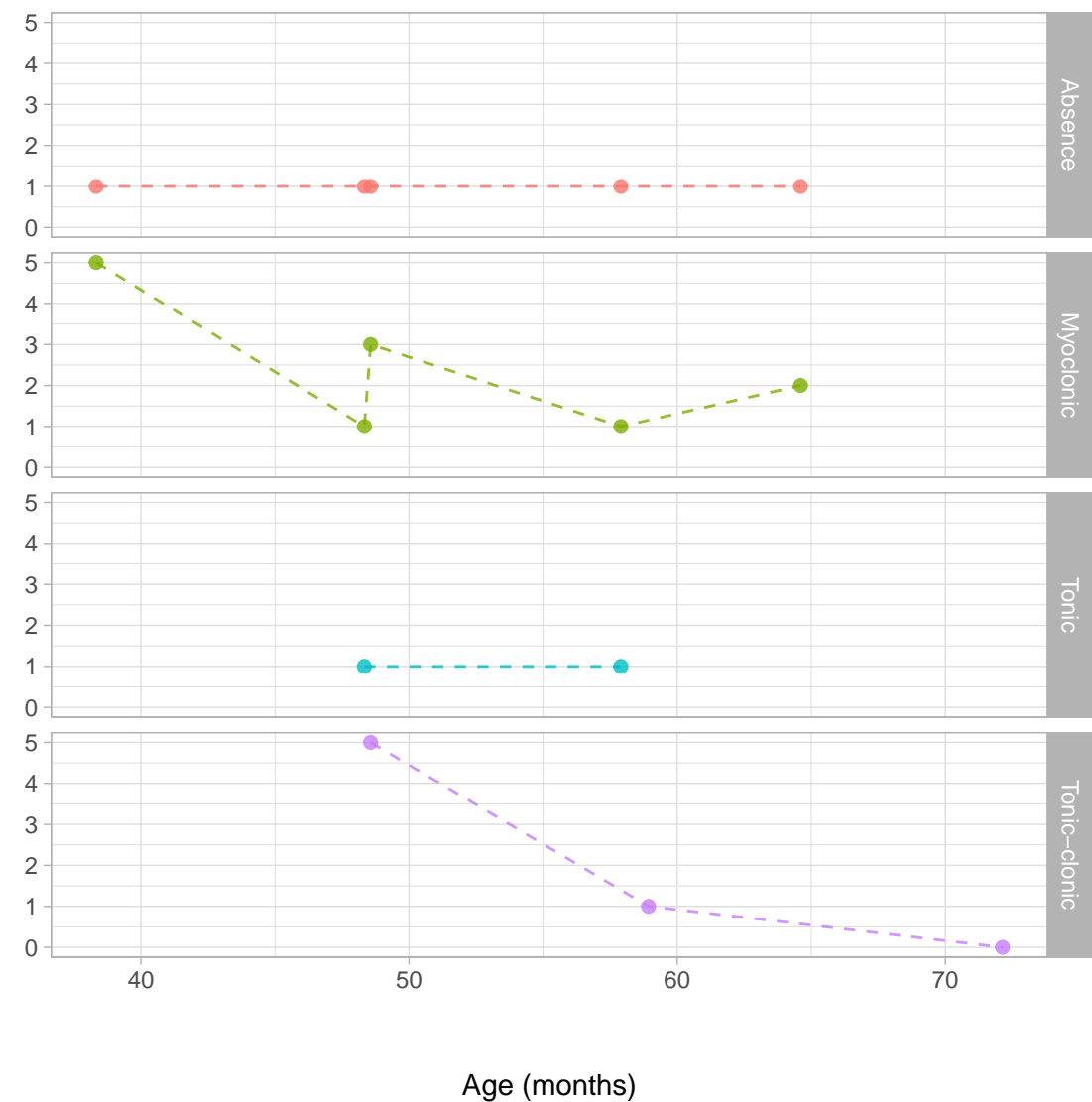


04c33d94-9c8a-4d27-85cc-8a4af03b6c54 (Registry #365) (p.Gln417Pro) - IF

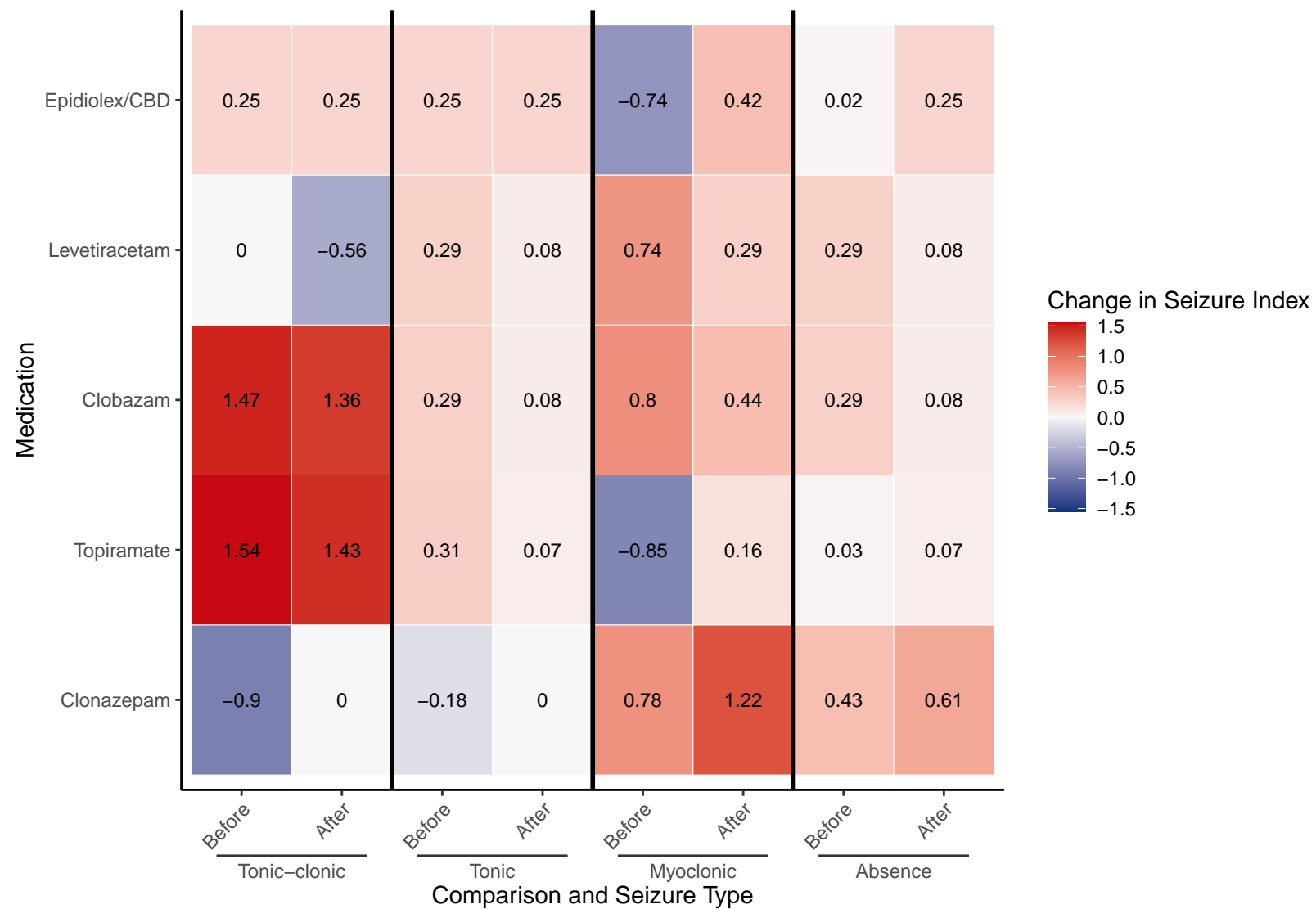




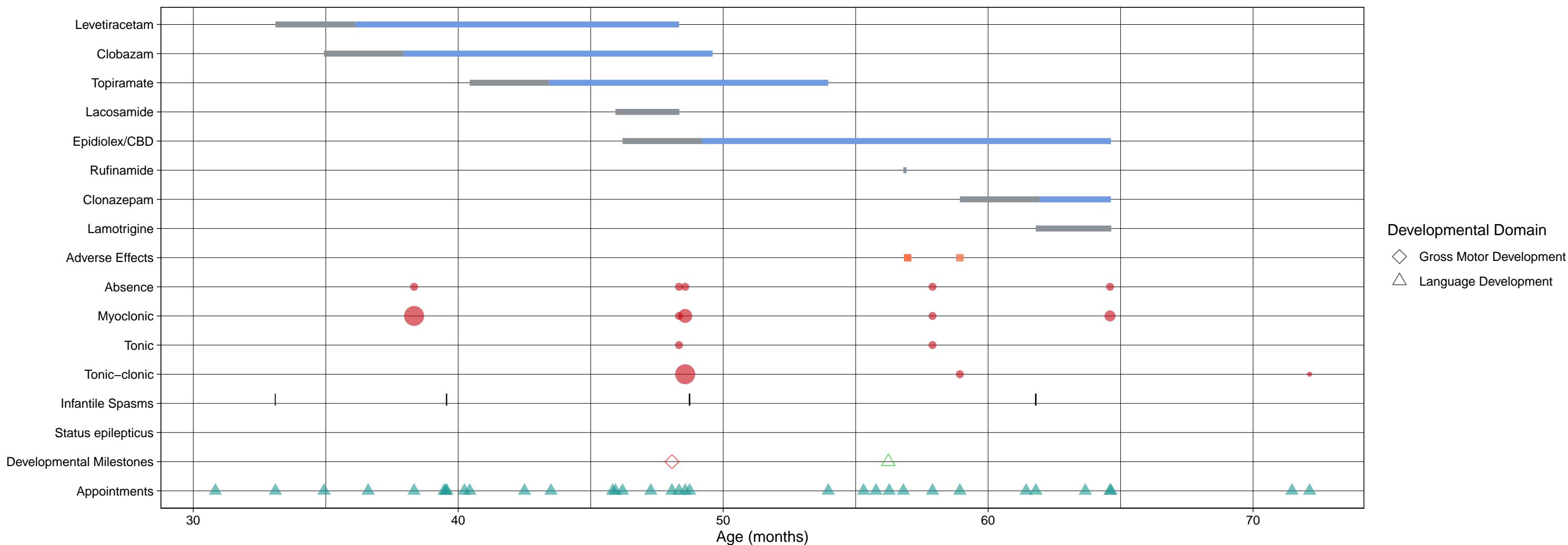
Seizure Index



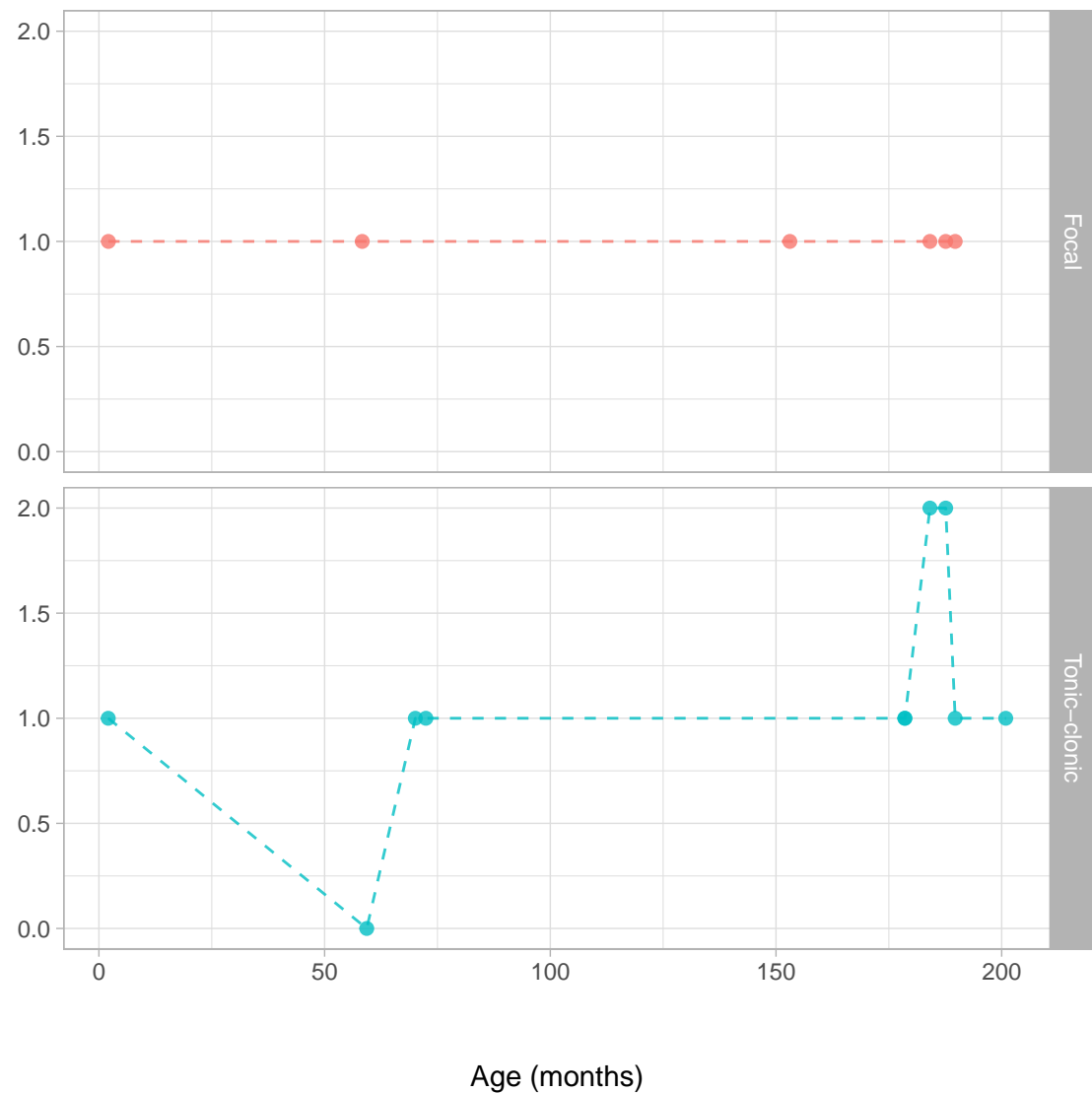
Seizure Index Comparisons



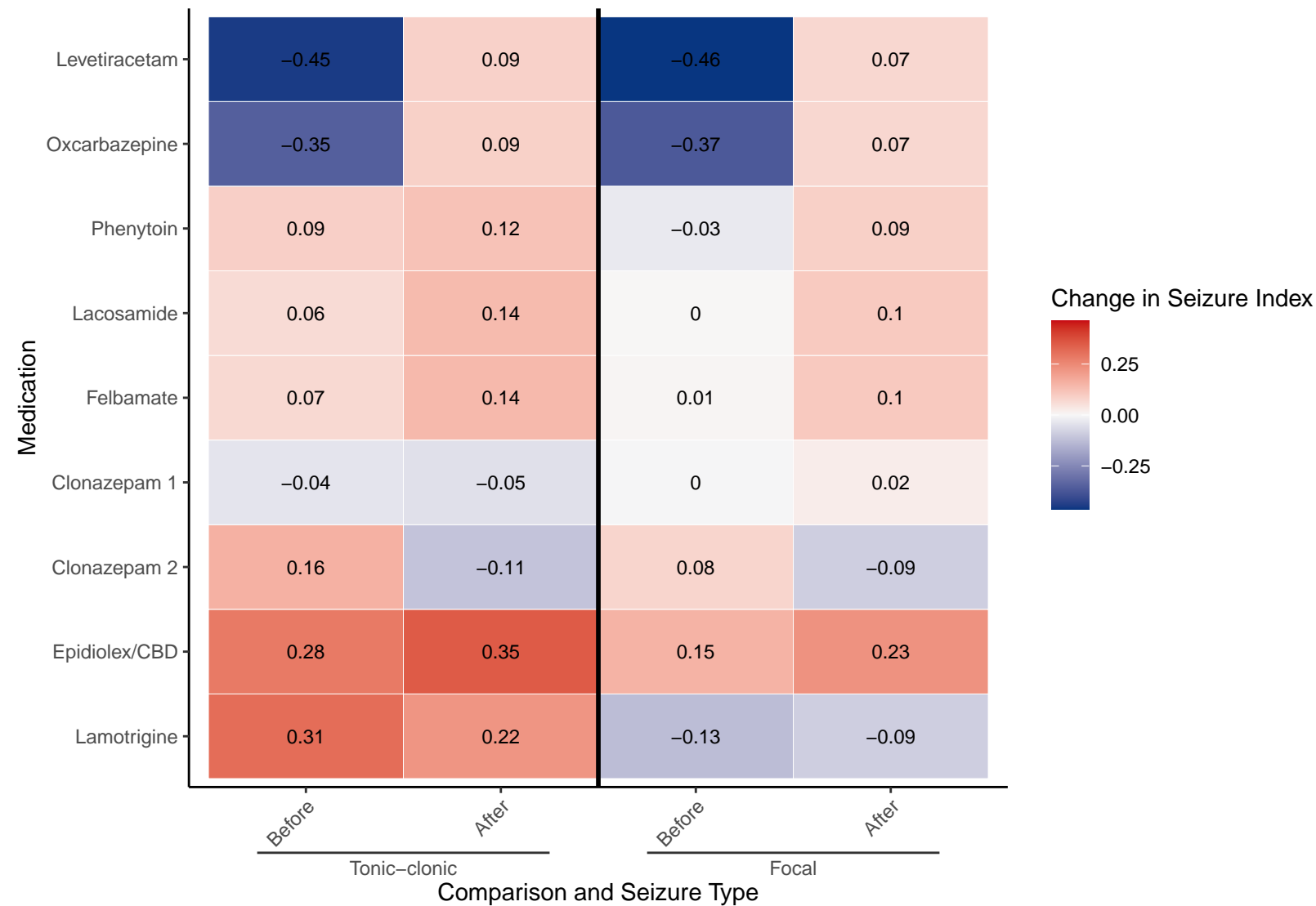
588a77f3-6a37-4757-8941-070f69cf95b1 (Registry #92) (p.Glu593Asp)



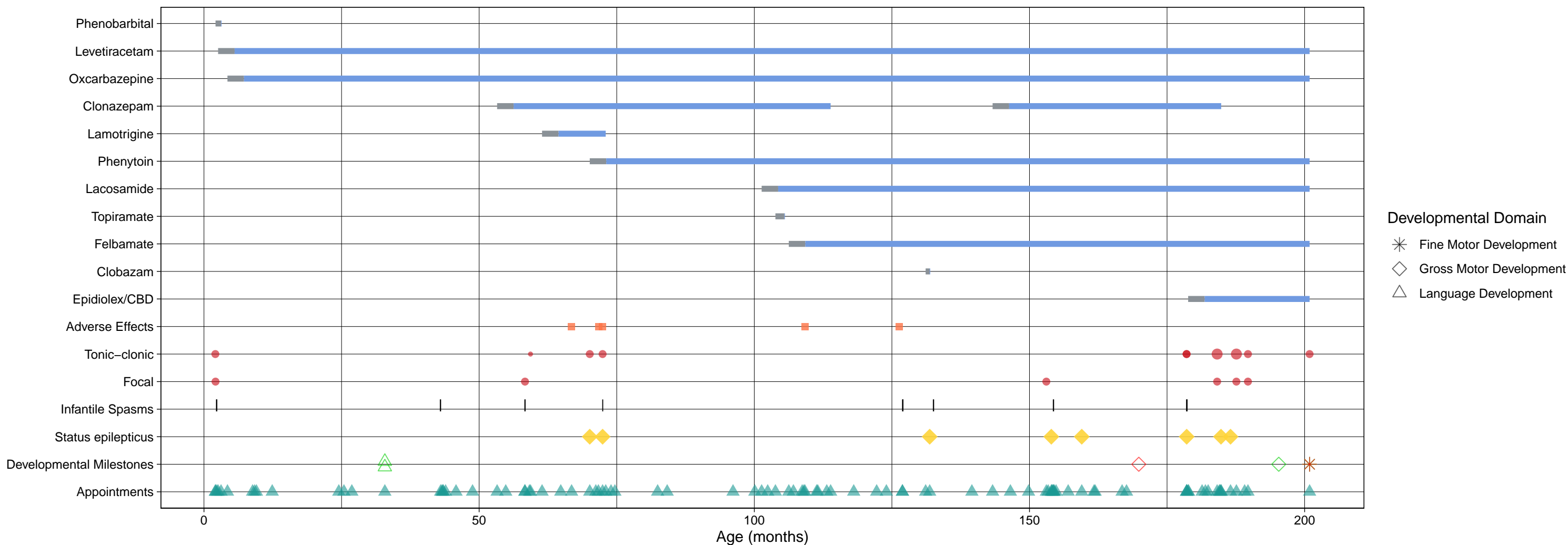
Seizure Index



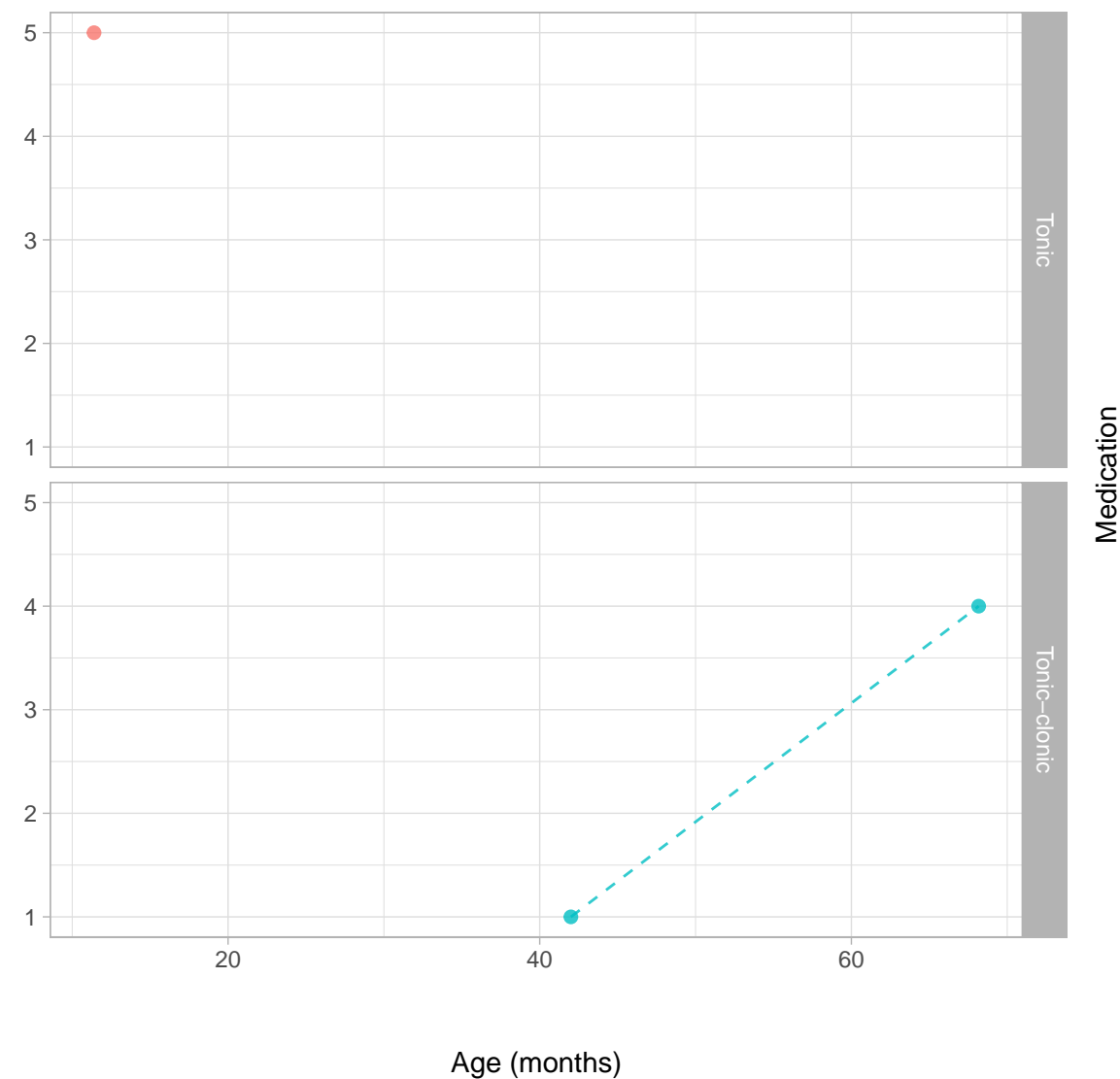
Seizure Index Comparisons



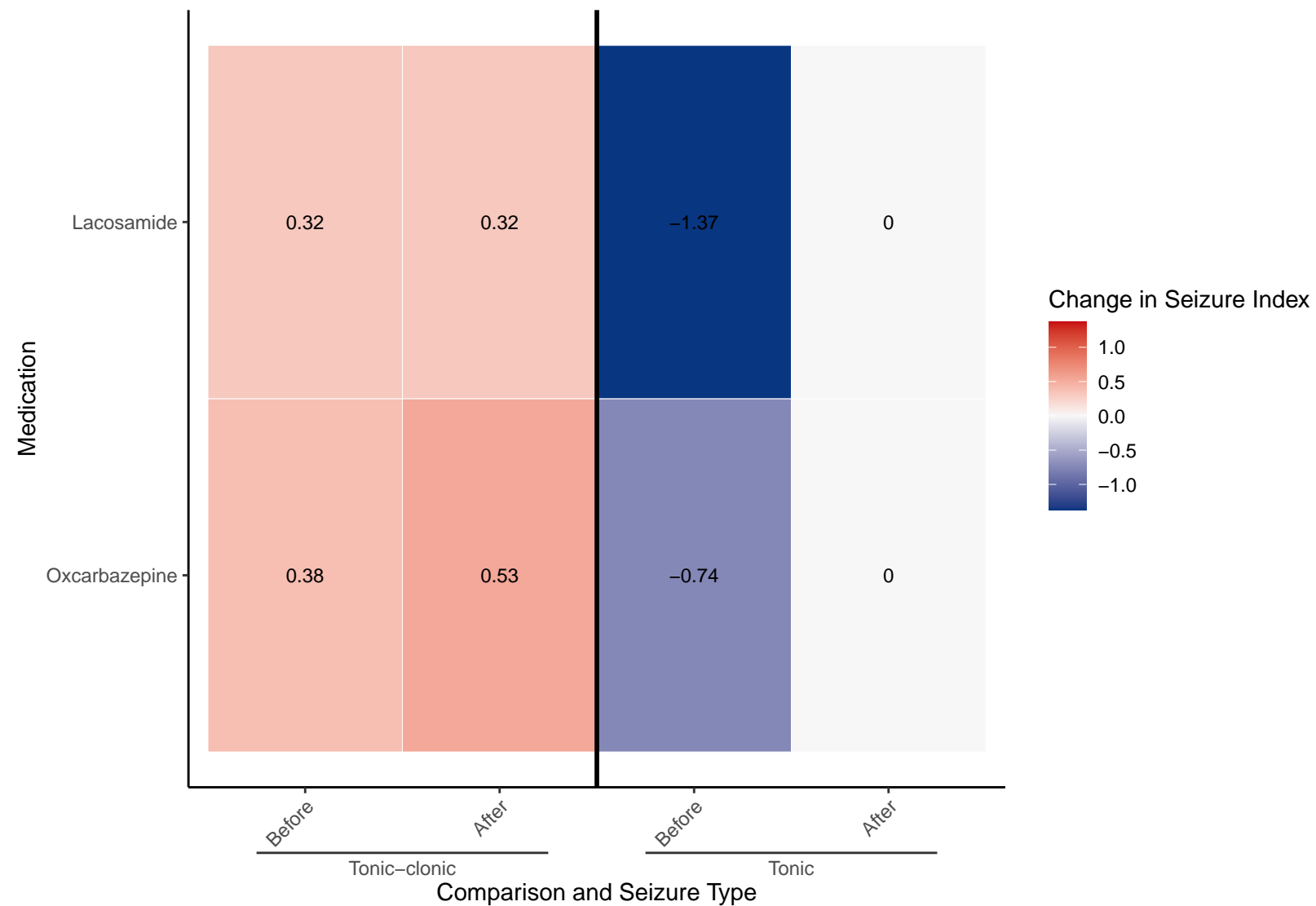
fb4dc826-0823-4535-8283-04a6bb4968d2 (Registry #589) (p.Leu840Phe)



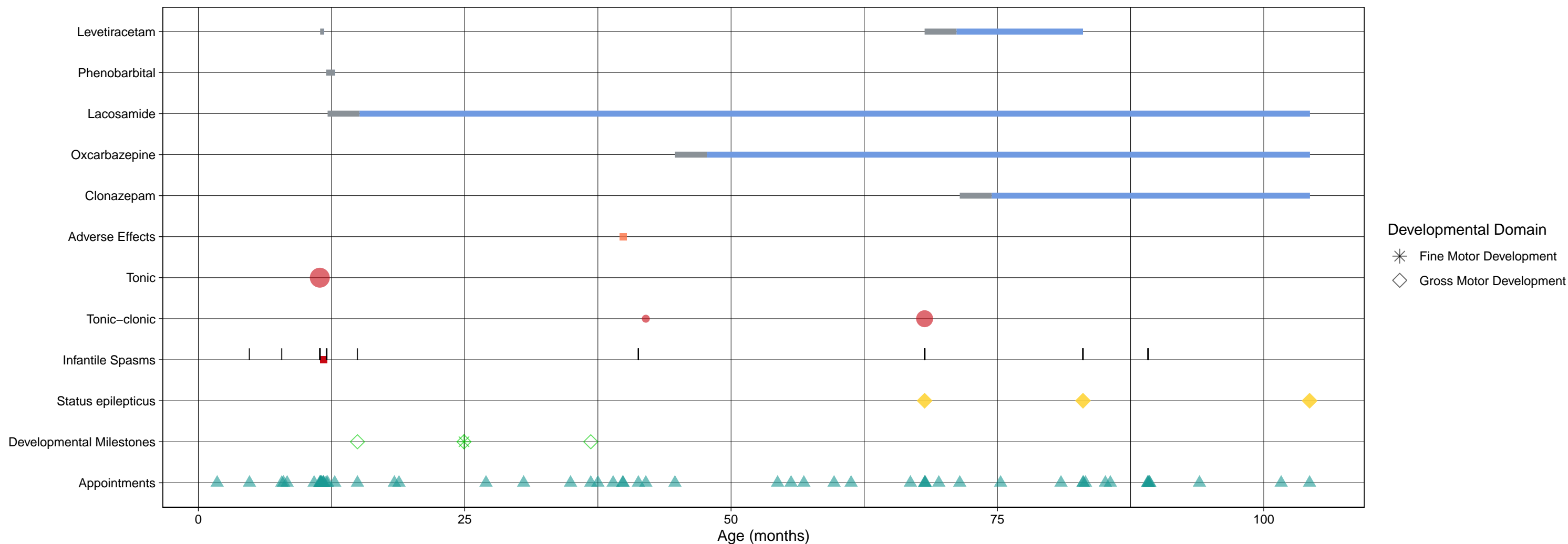
Seizure Index



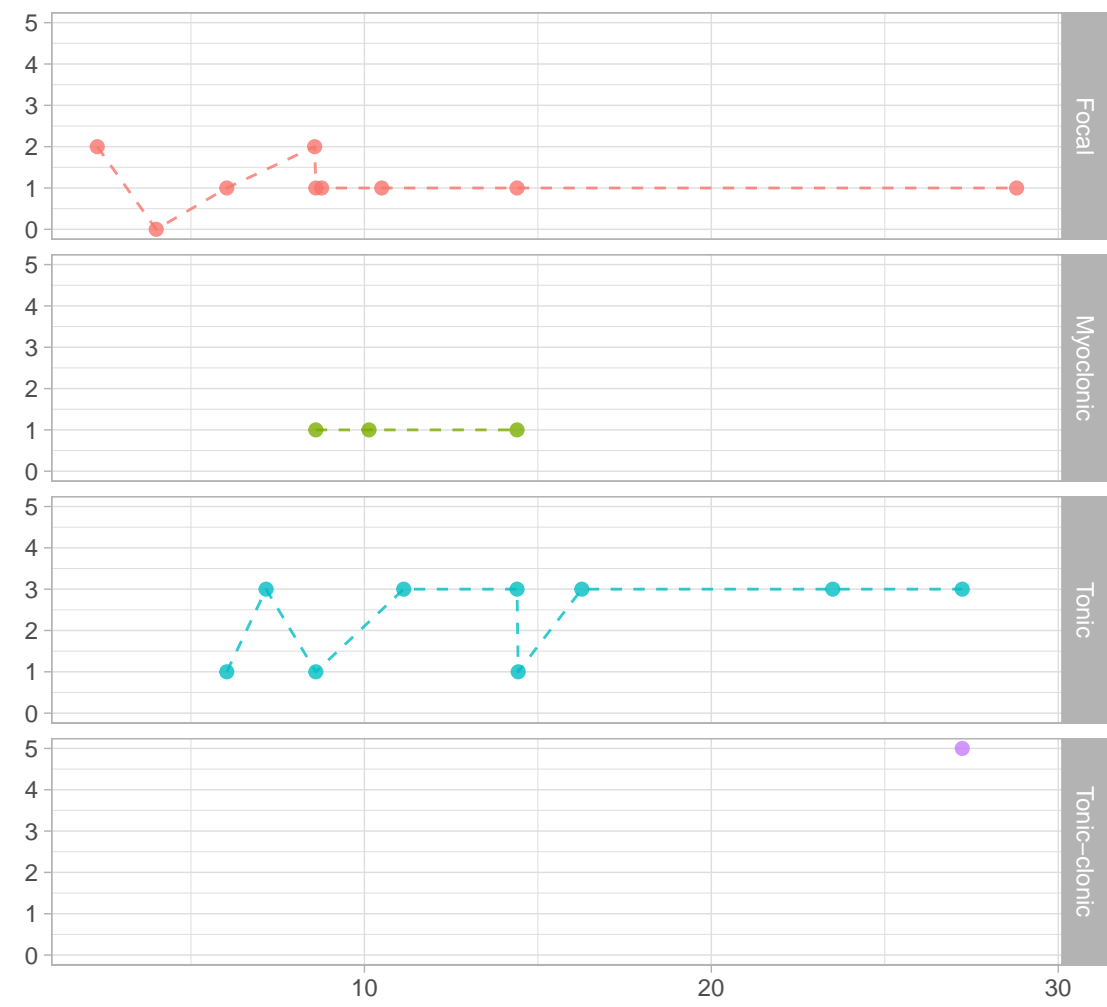
Seizure Index Comparisons



781f9451-bf23-4a8b-9db6-2cdbf4794640 (Registry #59) (p.Val842Glu) - IF

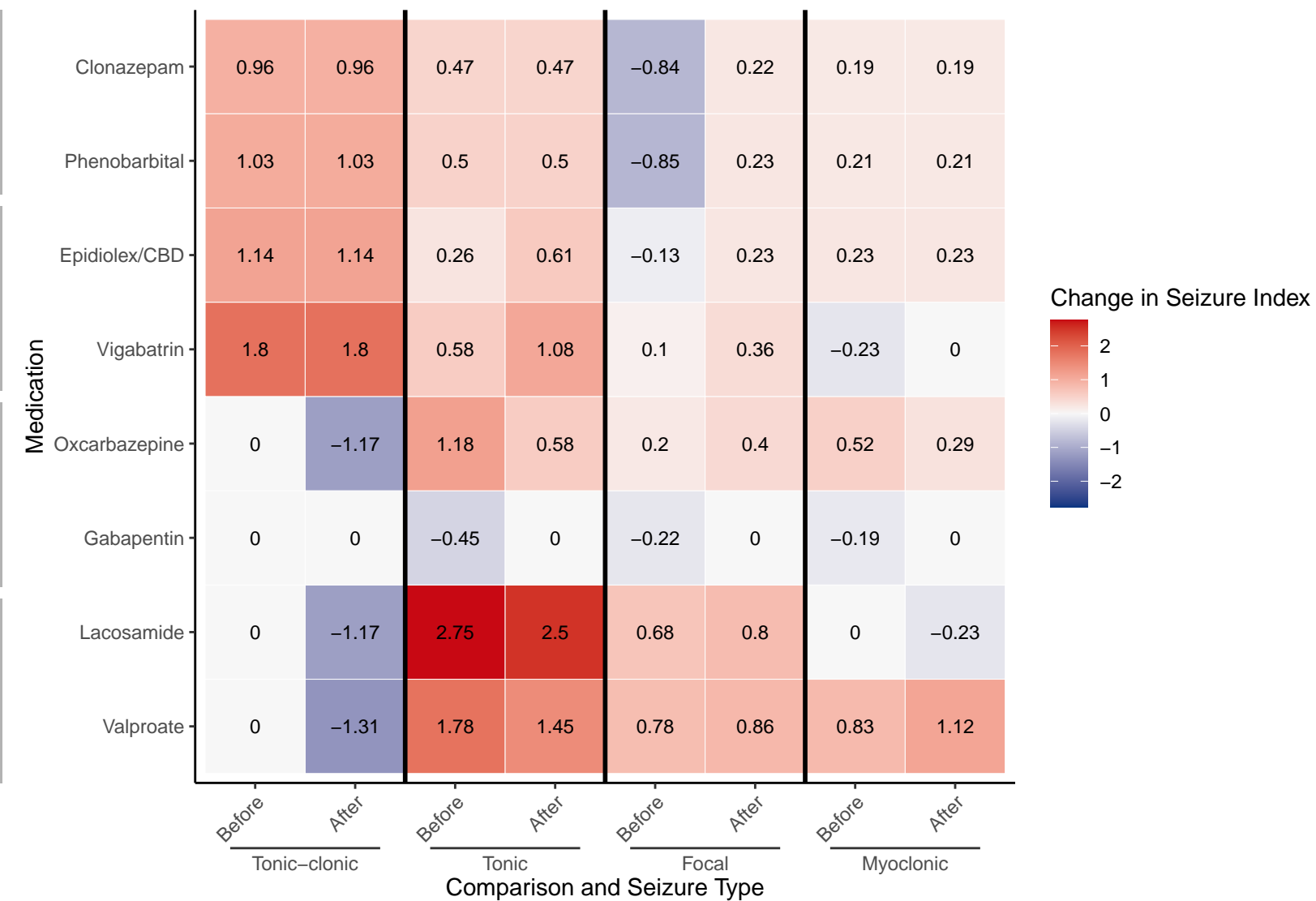


Seizure Index



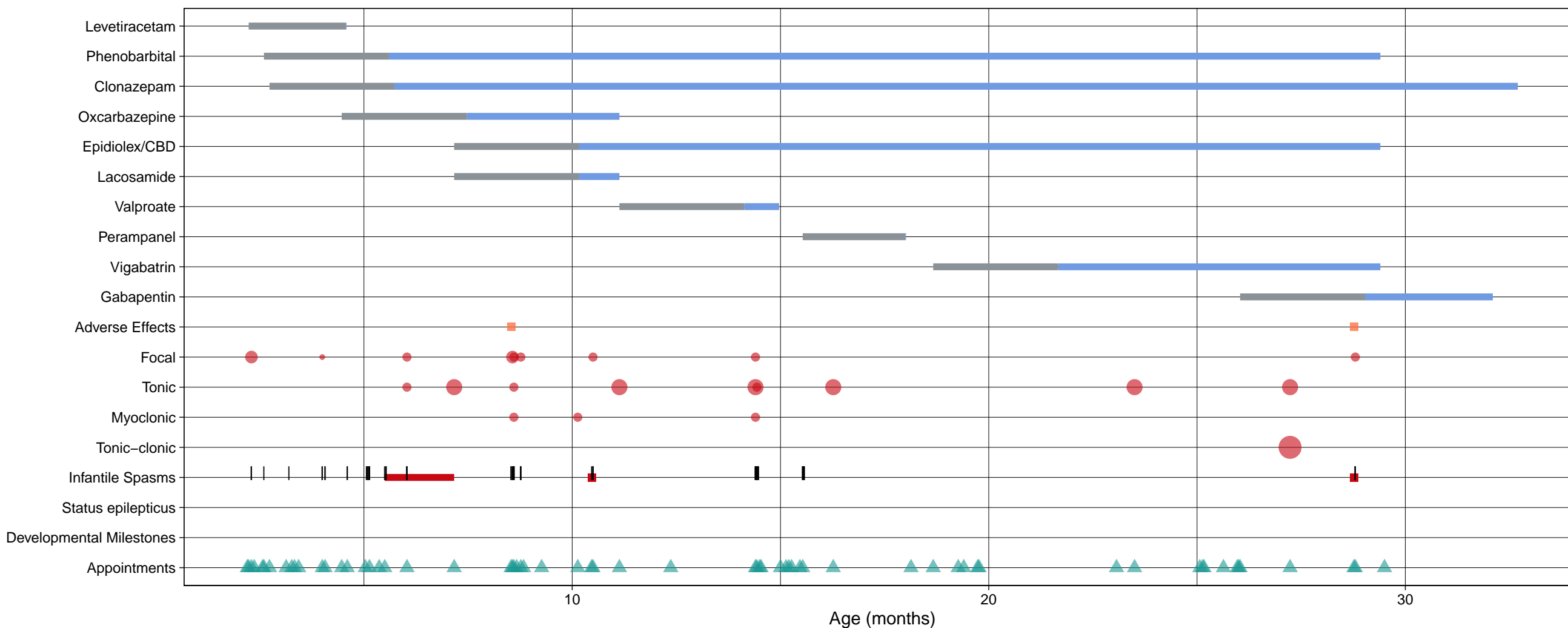
Age (months)

Seizure Index Comparisons

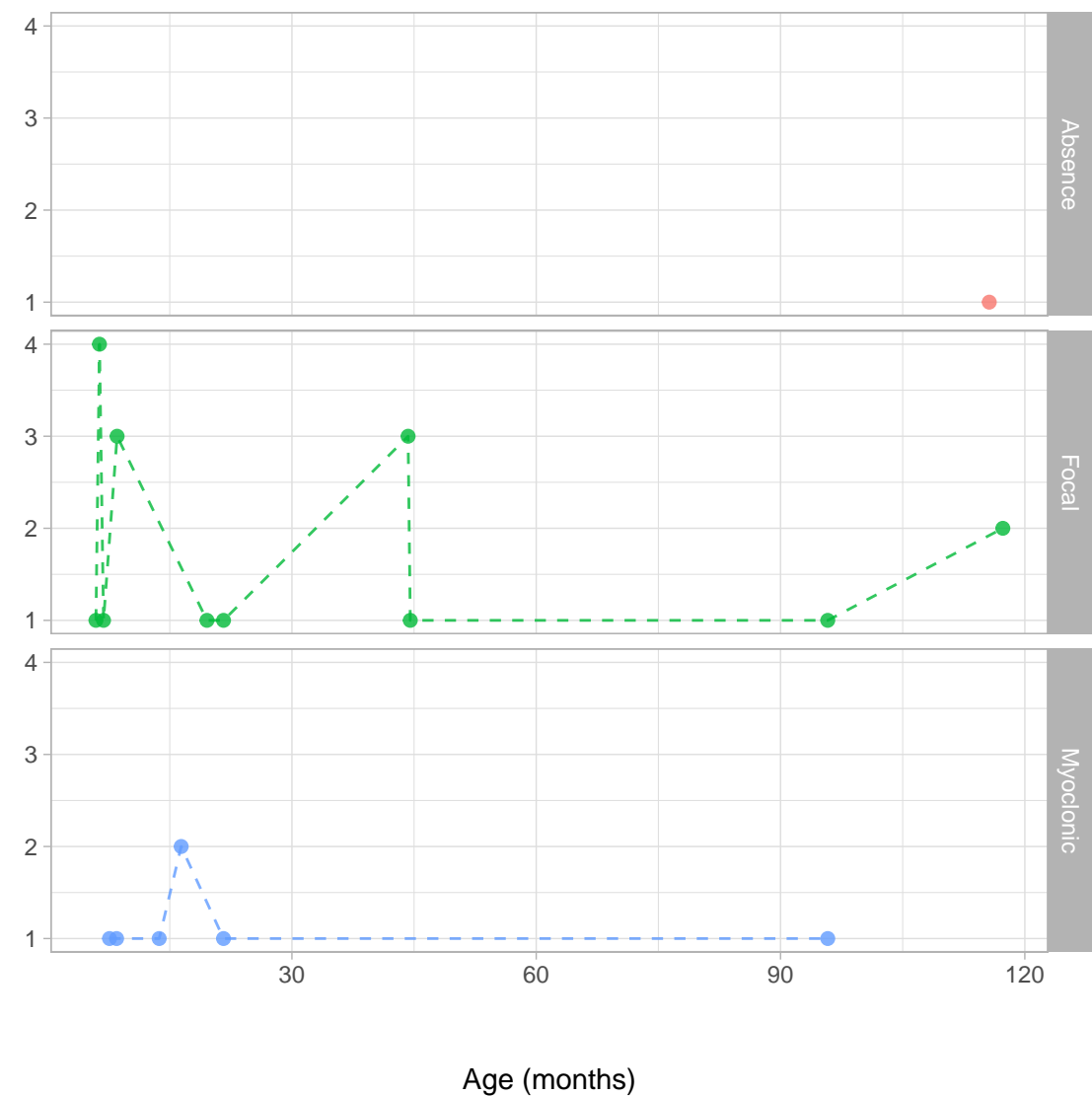


Comparison and Seizure Type

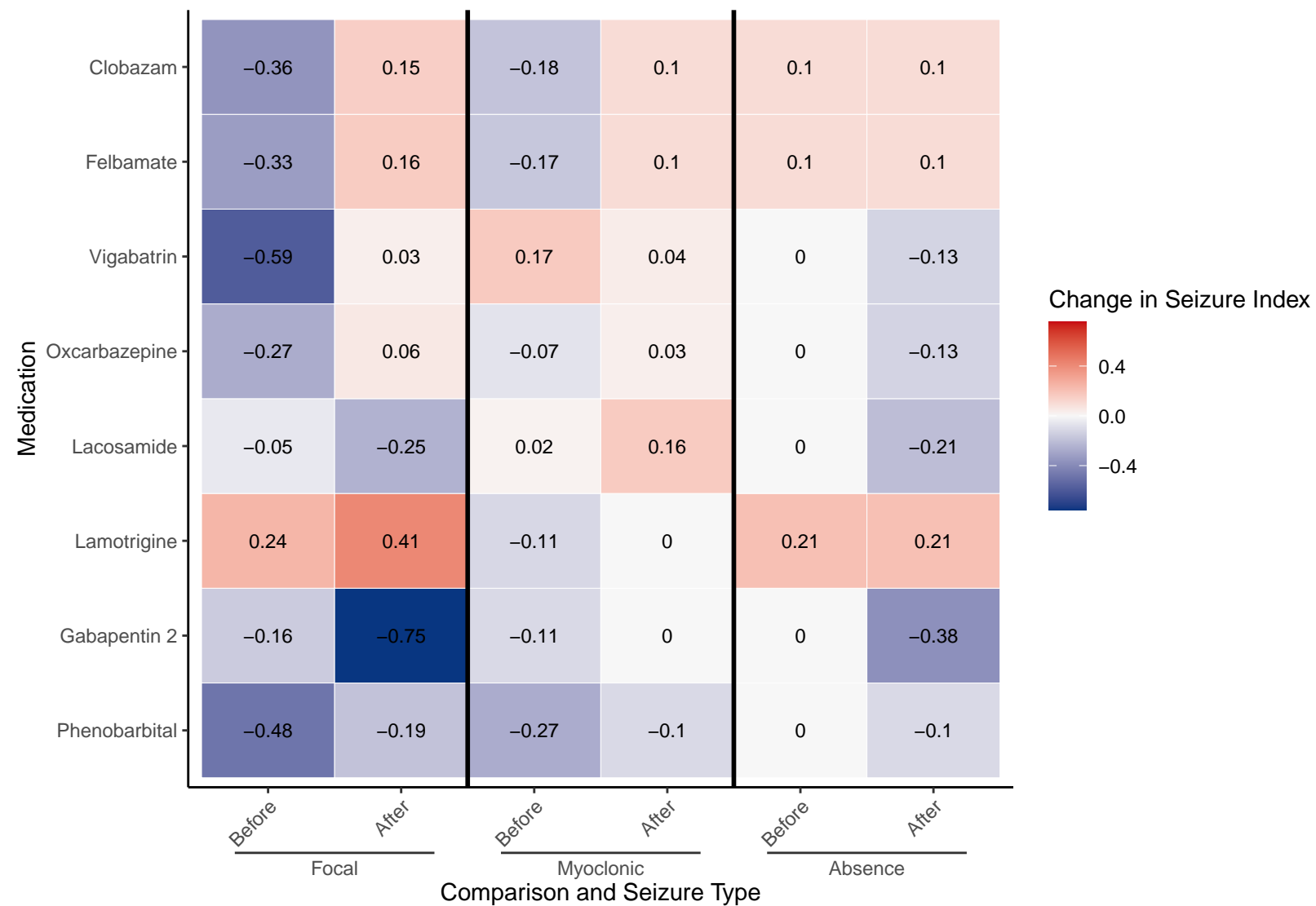
73f5def4-d325-4abc-a24f-5d4d0b1fa72d (Registry #58) (p.Arg850Gln) - IF



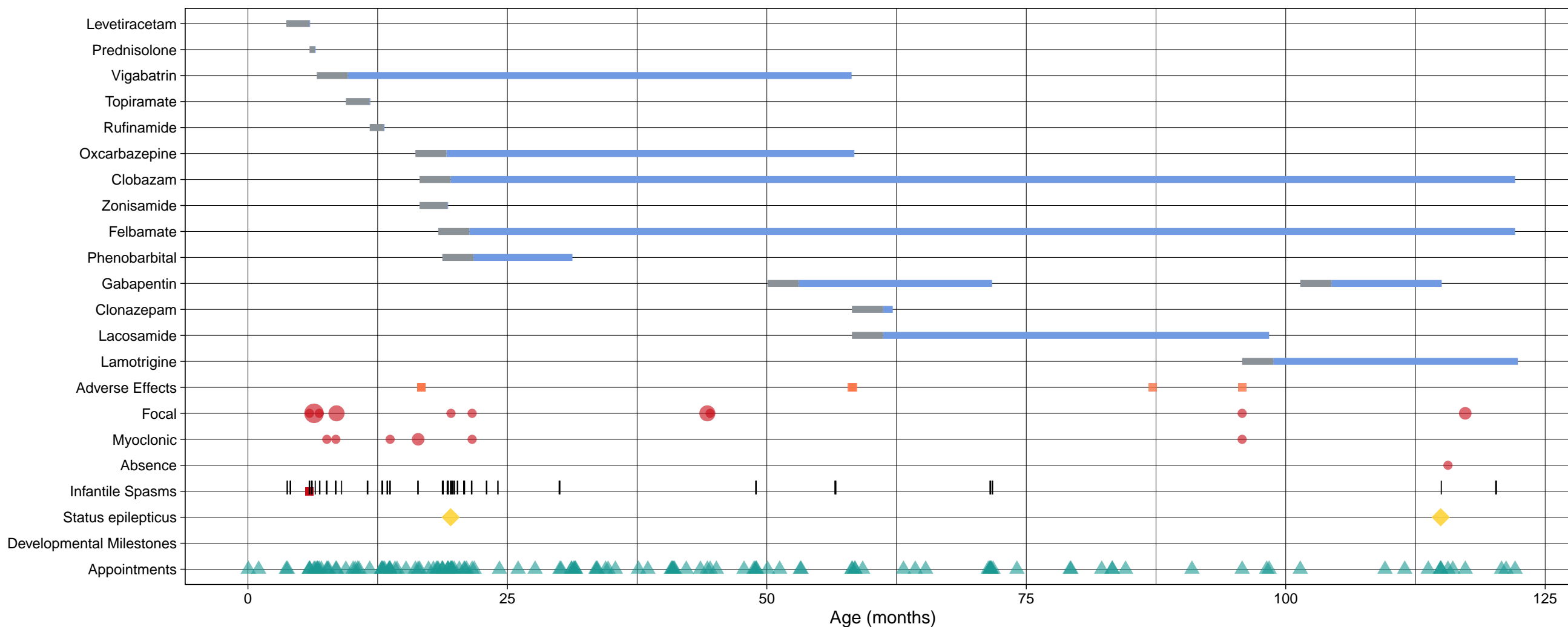
Seizure Index



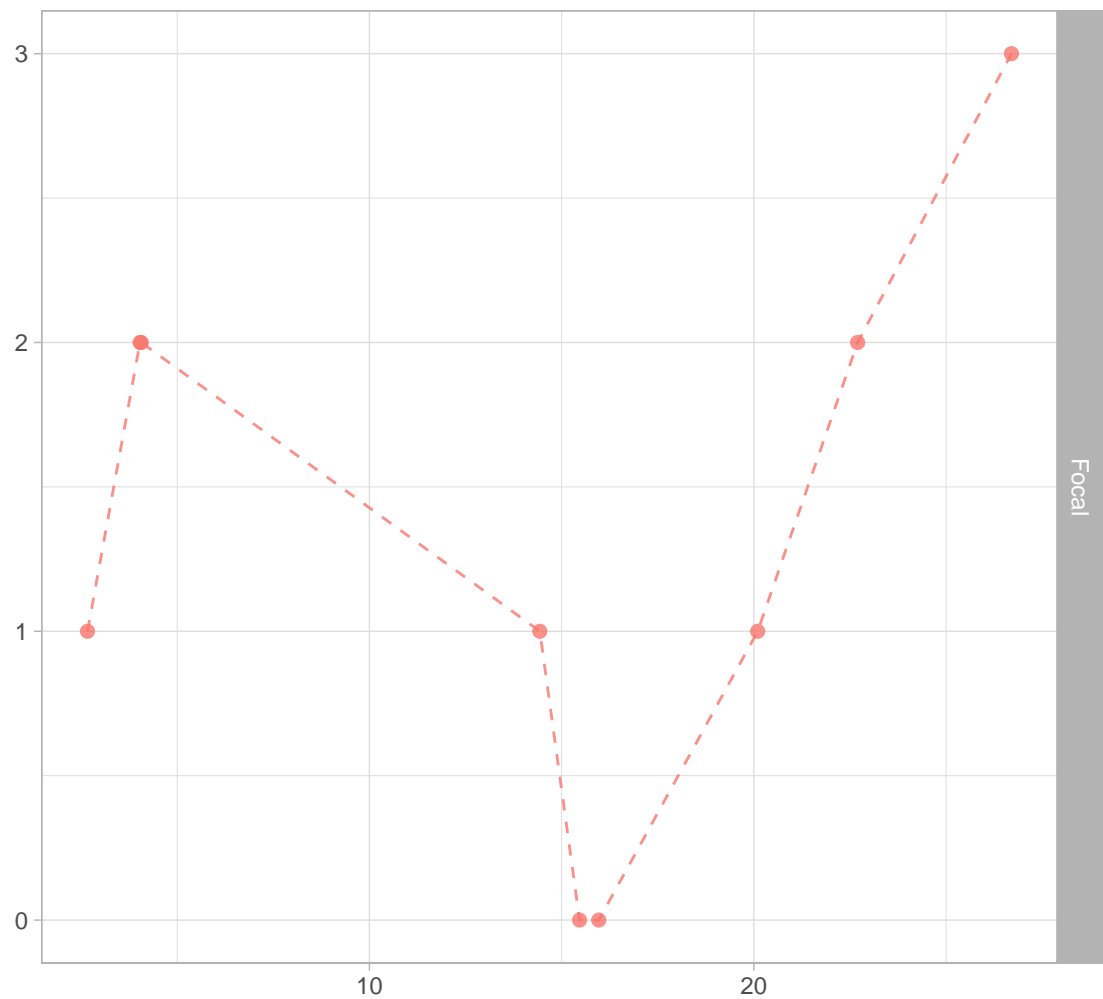
Seizure Index Comparisons



51f1227c-8312-4c5c-bb8a-fd240a7fb5ab (Registry #28) (p.Arg850Gln) - IF

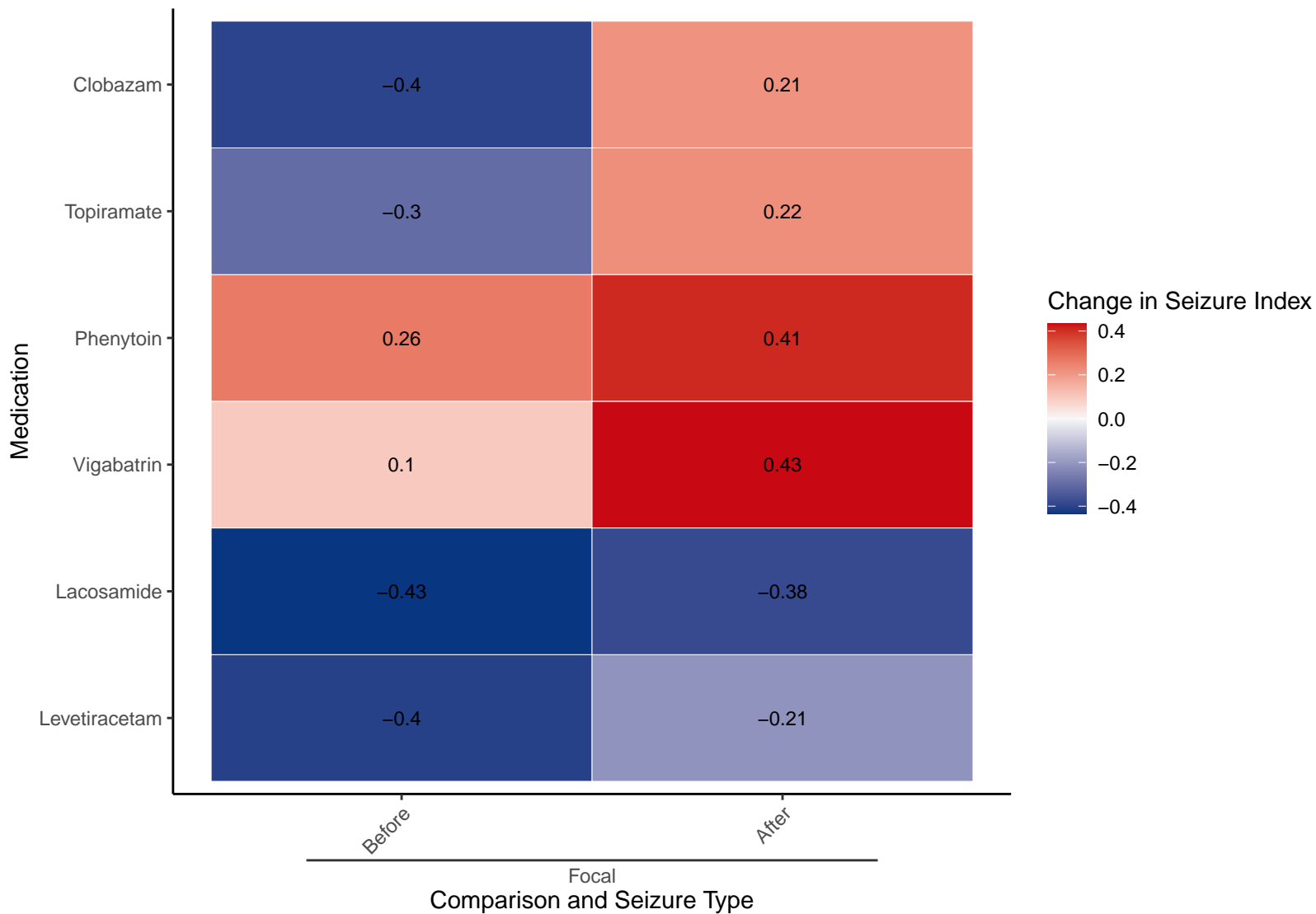


Seizure Index

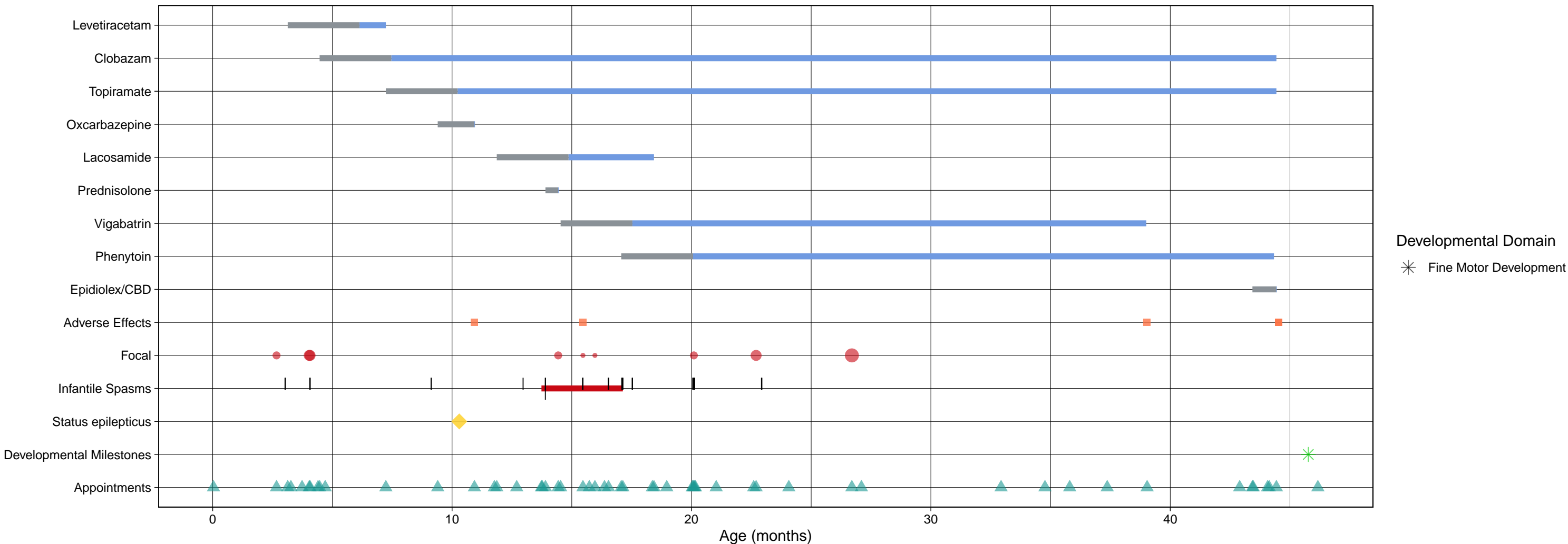


Age (months)

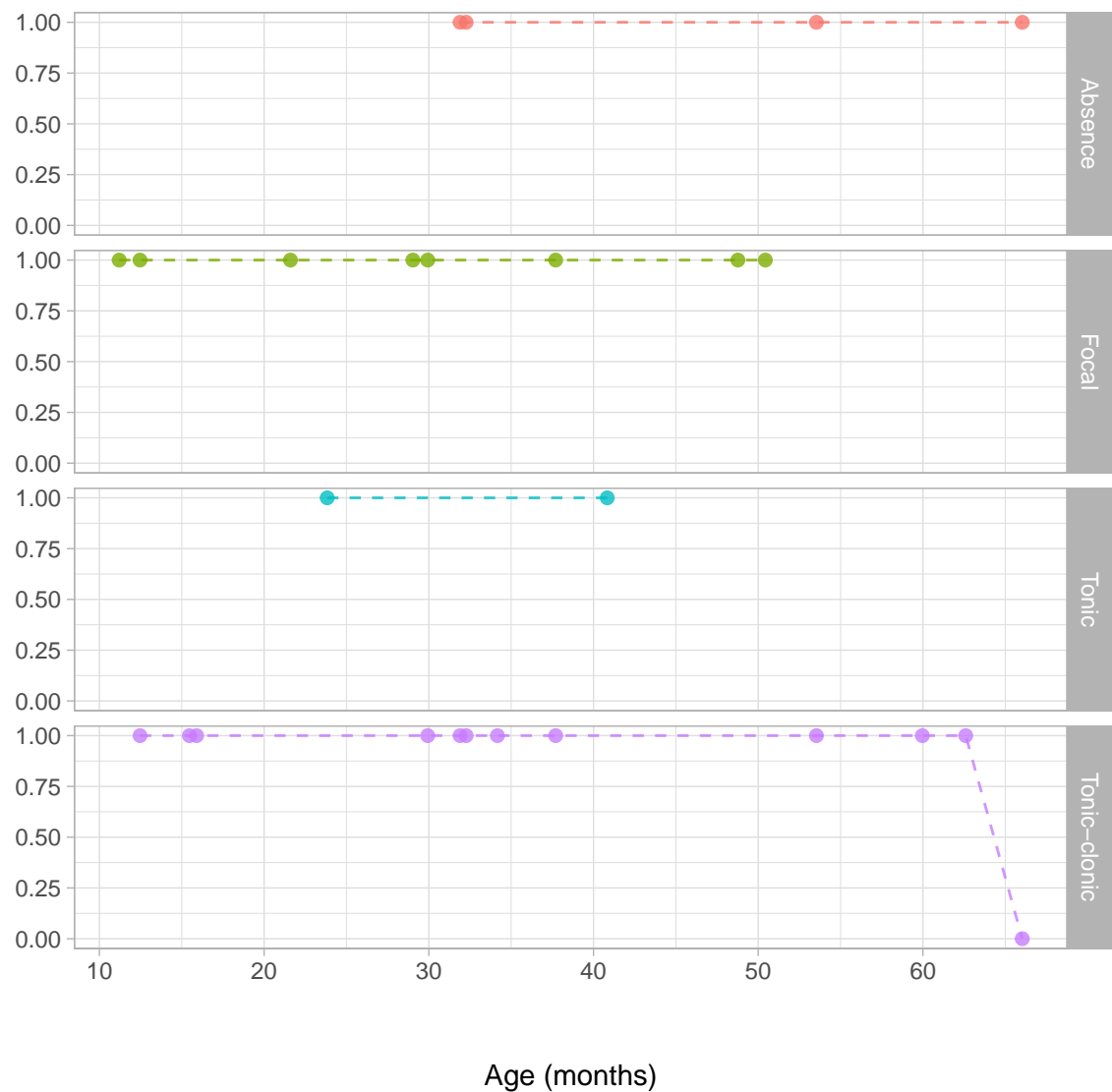
Seizure Index Comparisons



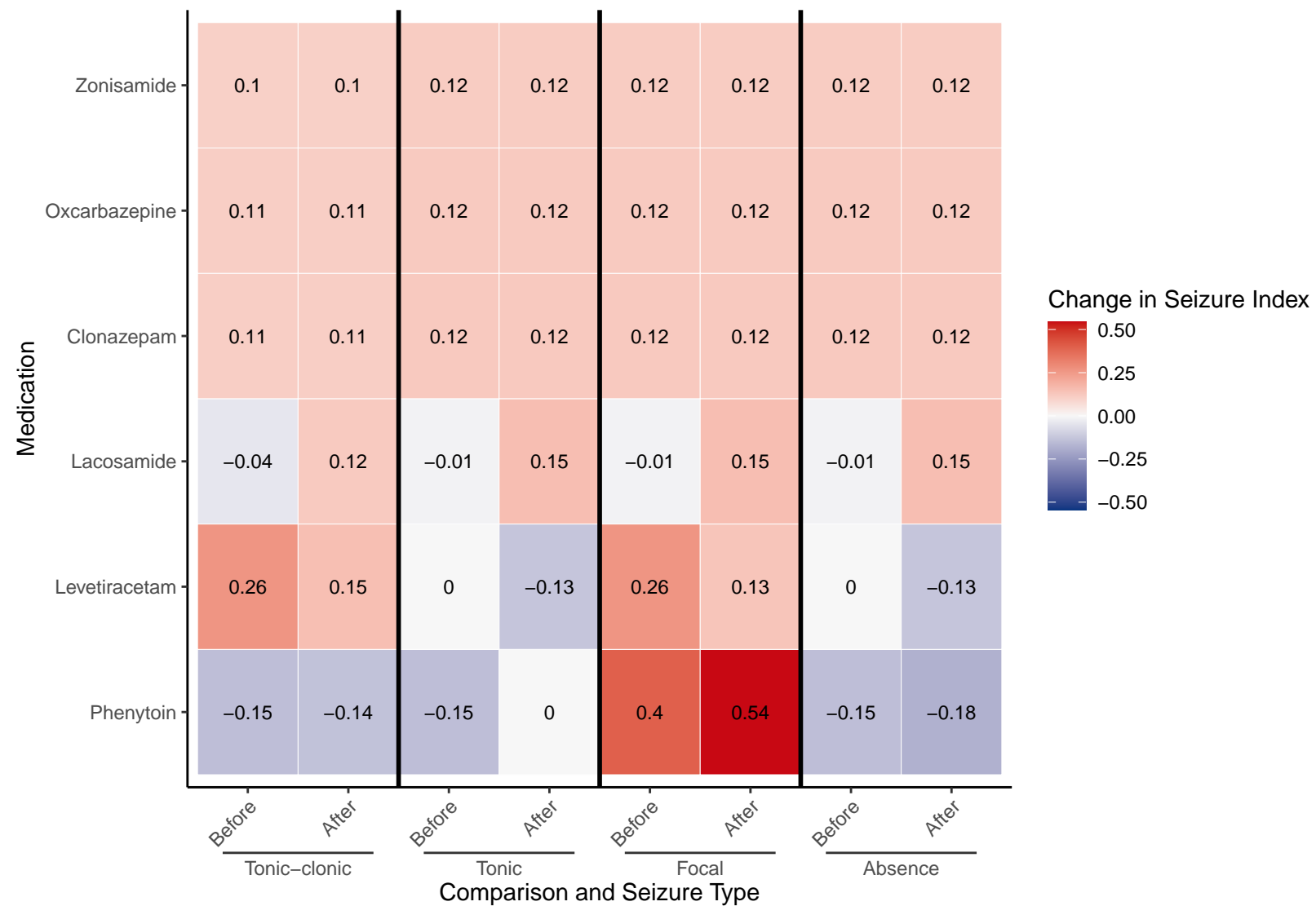
c1046a01-ecb6-4193-b54a-7fde39bae9c4 (Registry #267 and 1442) (p.Arg850Gln) – IF



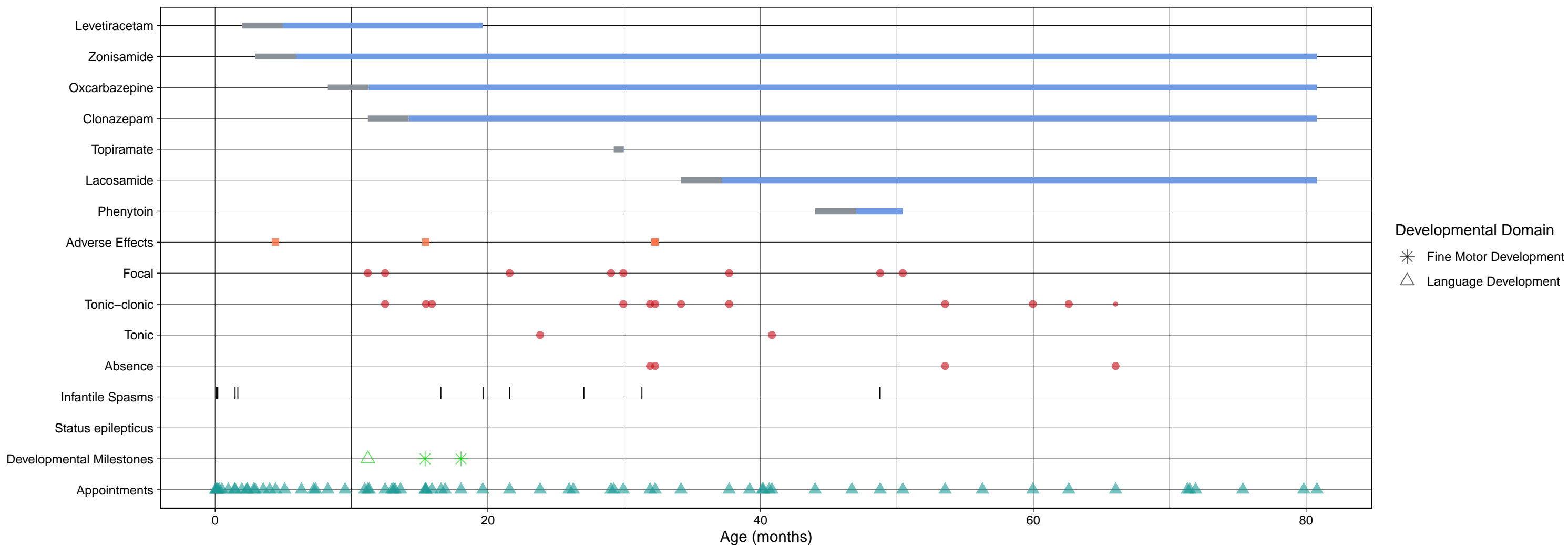
Seizure Index



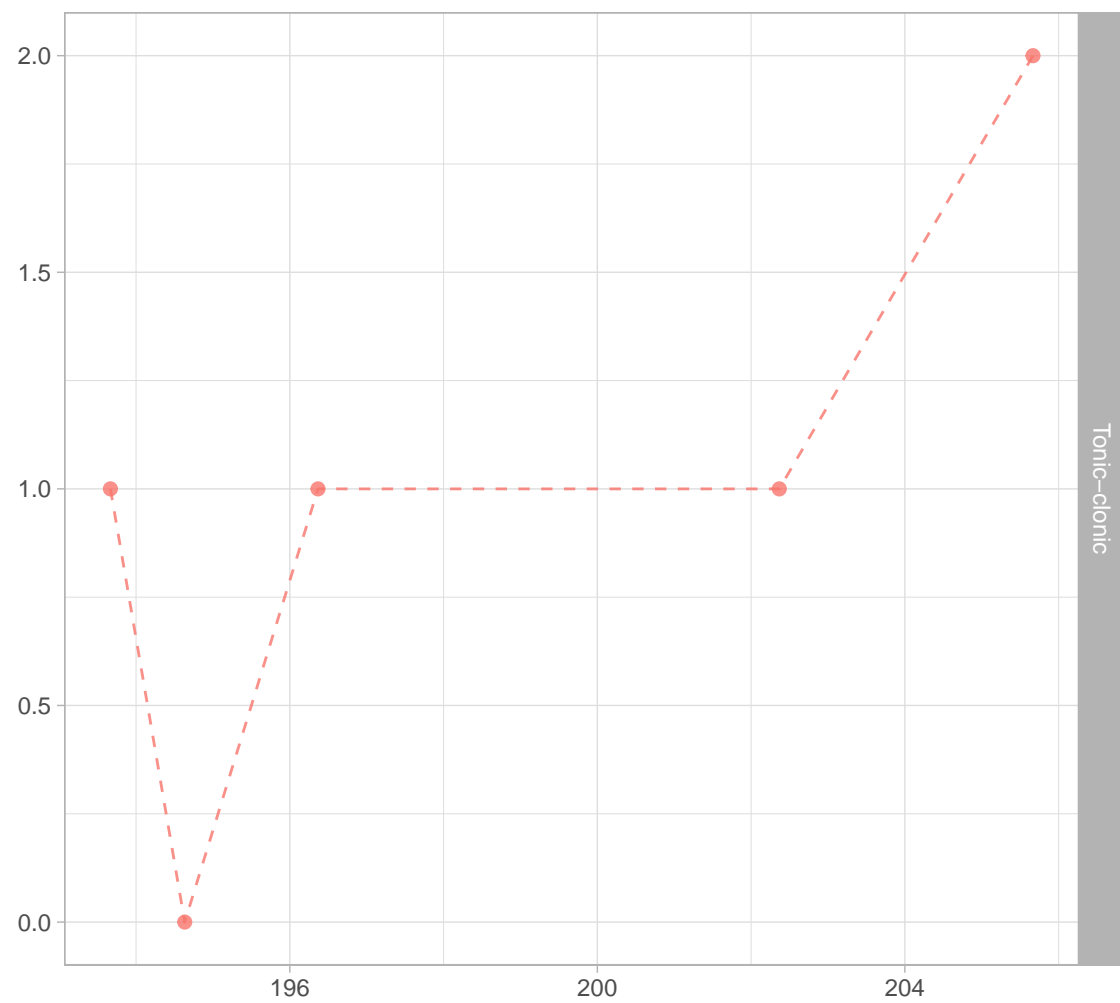
Seizure Index Comparisons



00bf8331-4336-4010-8d08-3bbc076ec0f5 (Registry #119) (p.Ser979Phe)

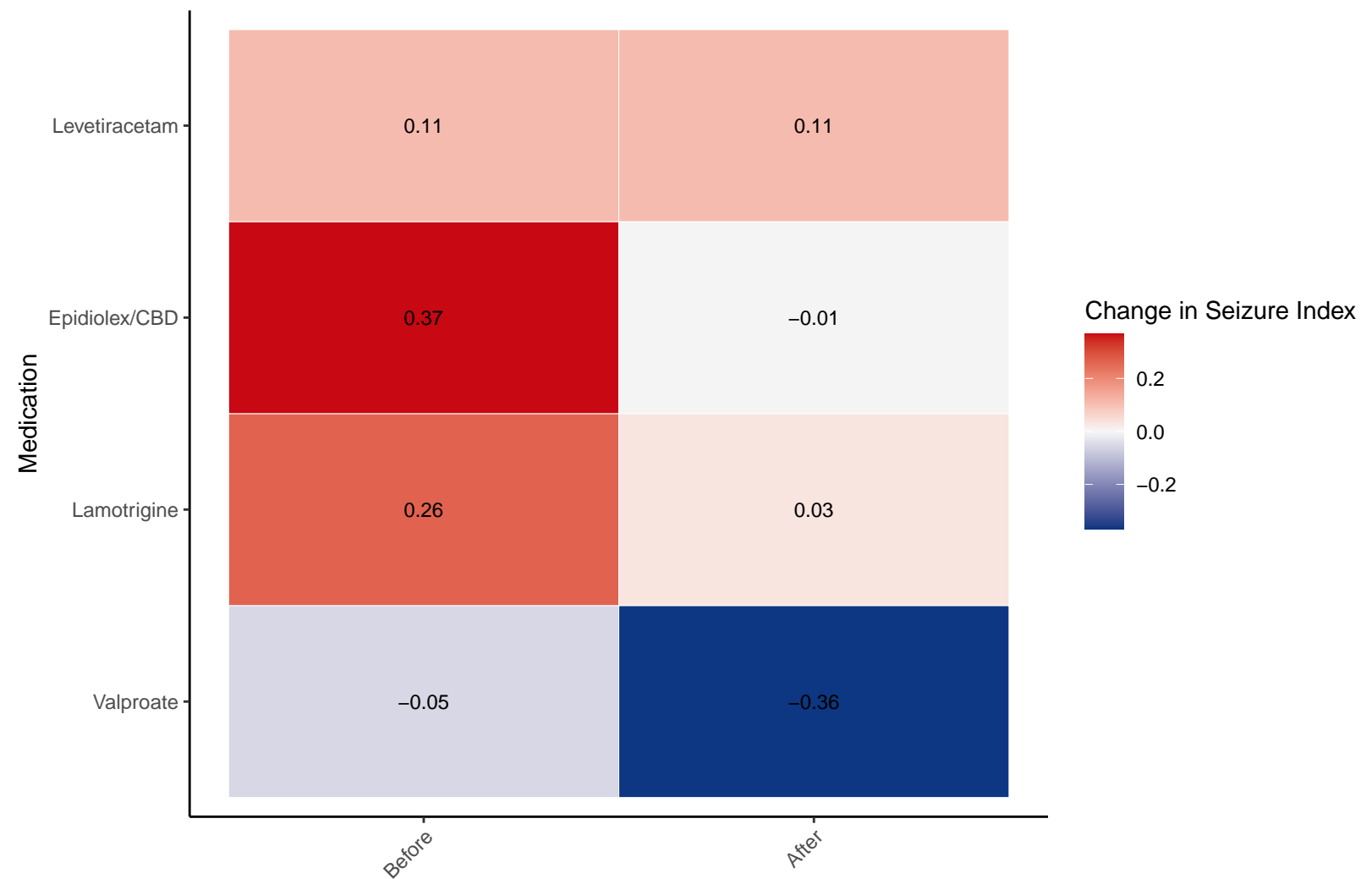


Seizure Index



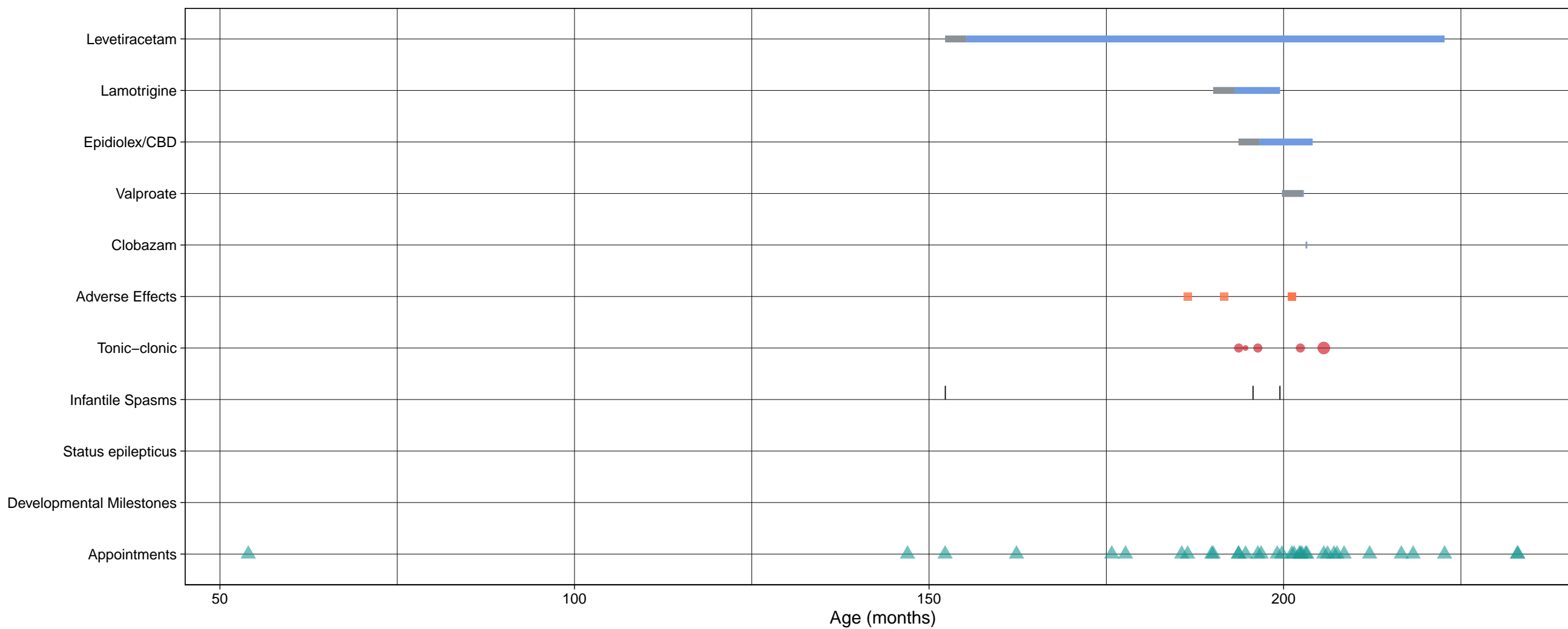
Age (months)

Seizure Index Comparisons

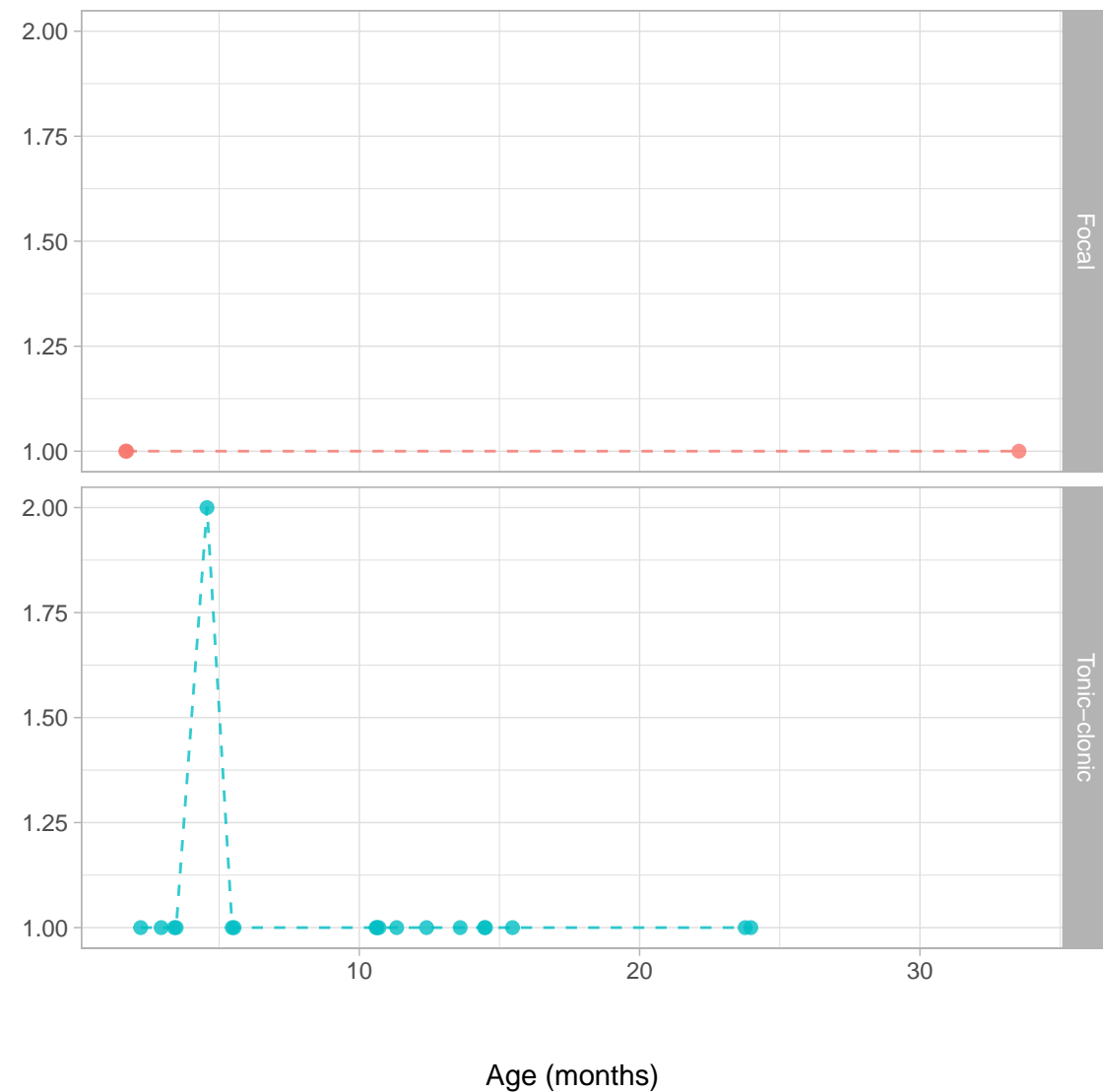


Comparison and Seizure Type

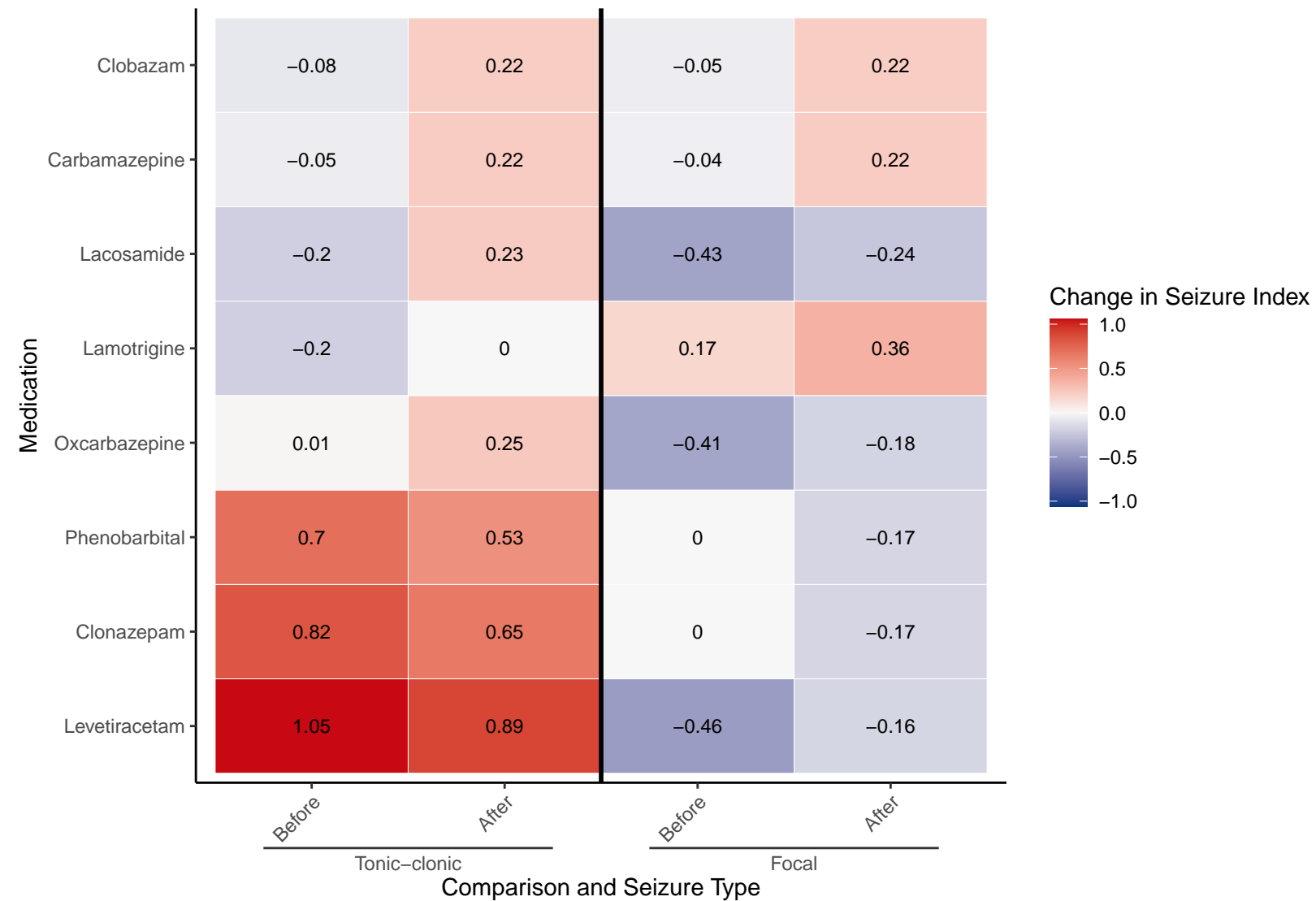
56d3dc1e-63d5-4ad6-9493-57de0fd7ef0e (Registry #43) (p.Arg1305Thr)



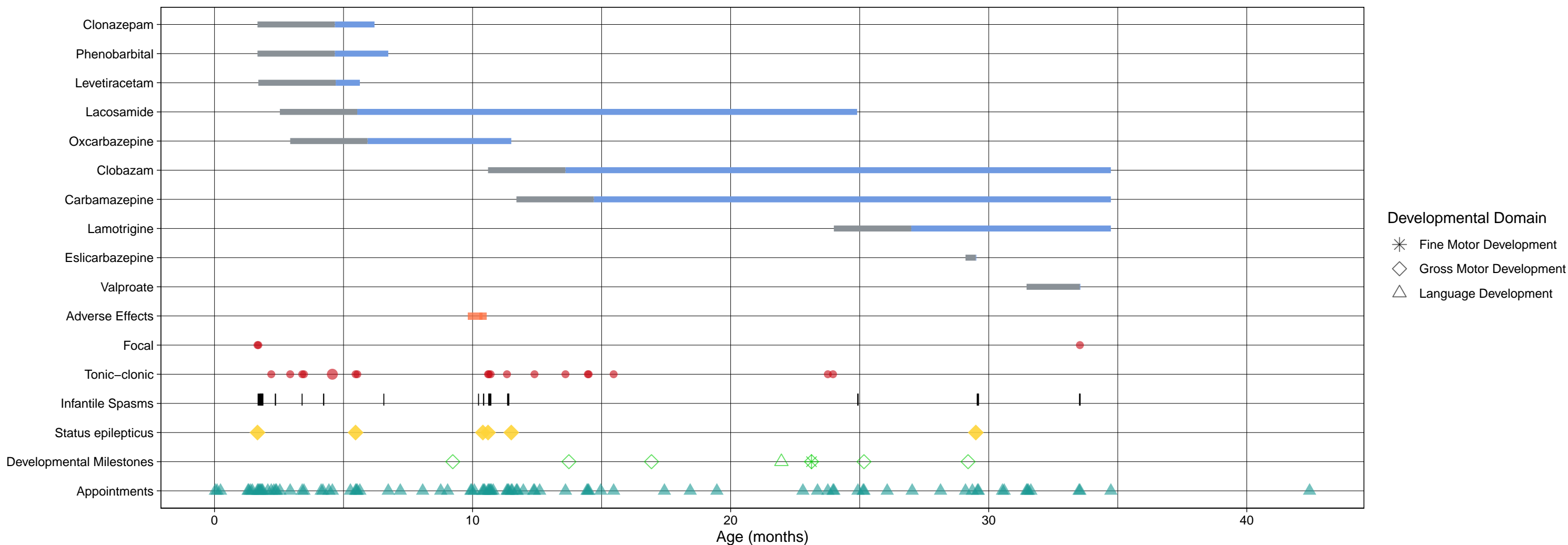
Seizure Index



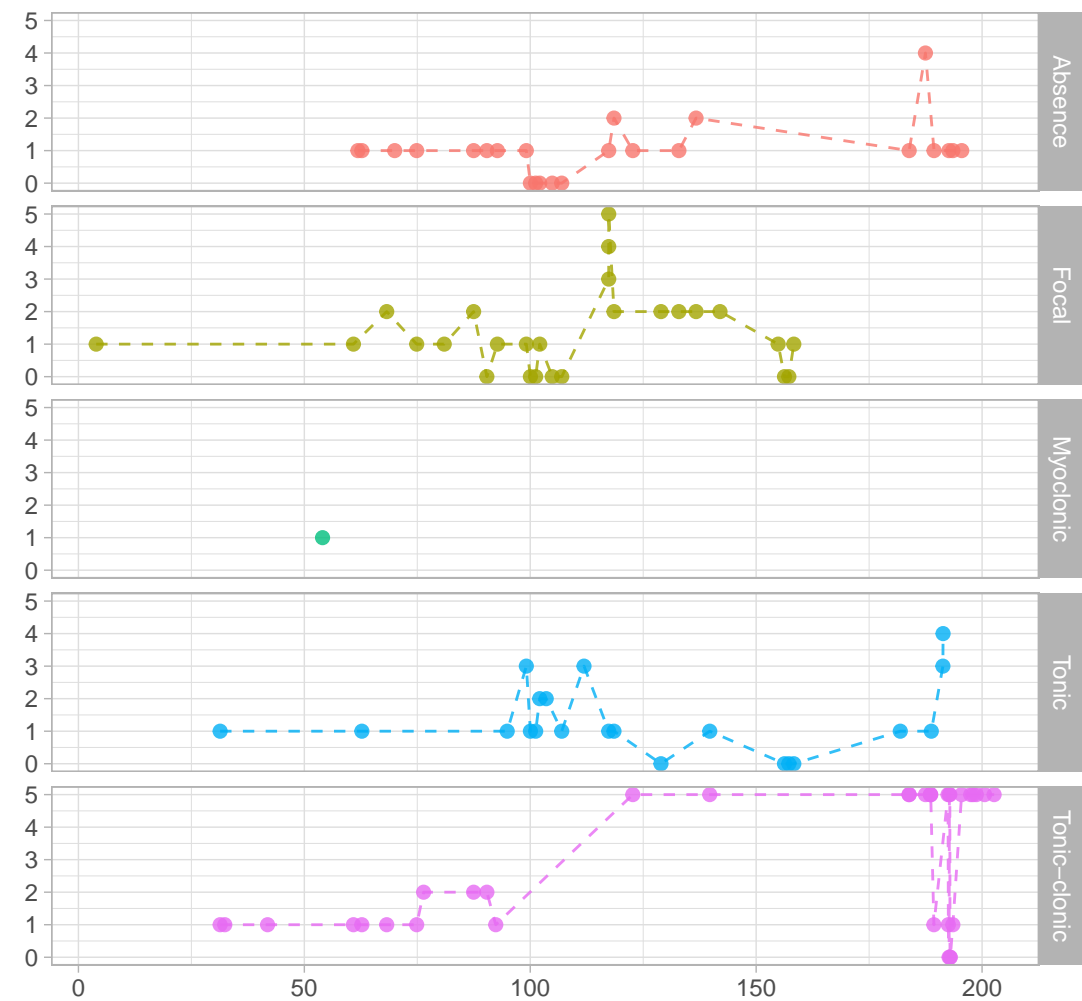
Seizure Index Comparisons



4cdd2c4c-efa0-4ca8-90aa-b77fe60d9cc3 (Registry #116) (p.Val1315Ala)



Seizure Index

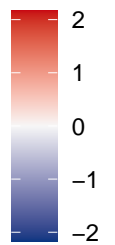


Age (months)

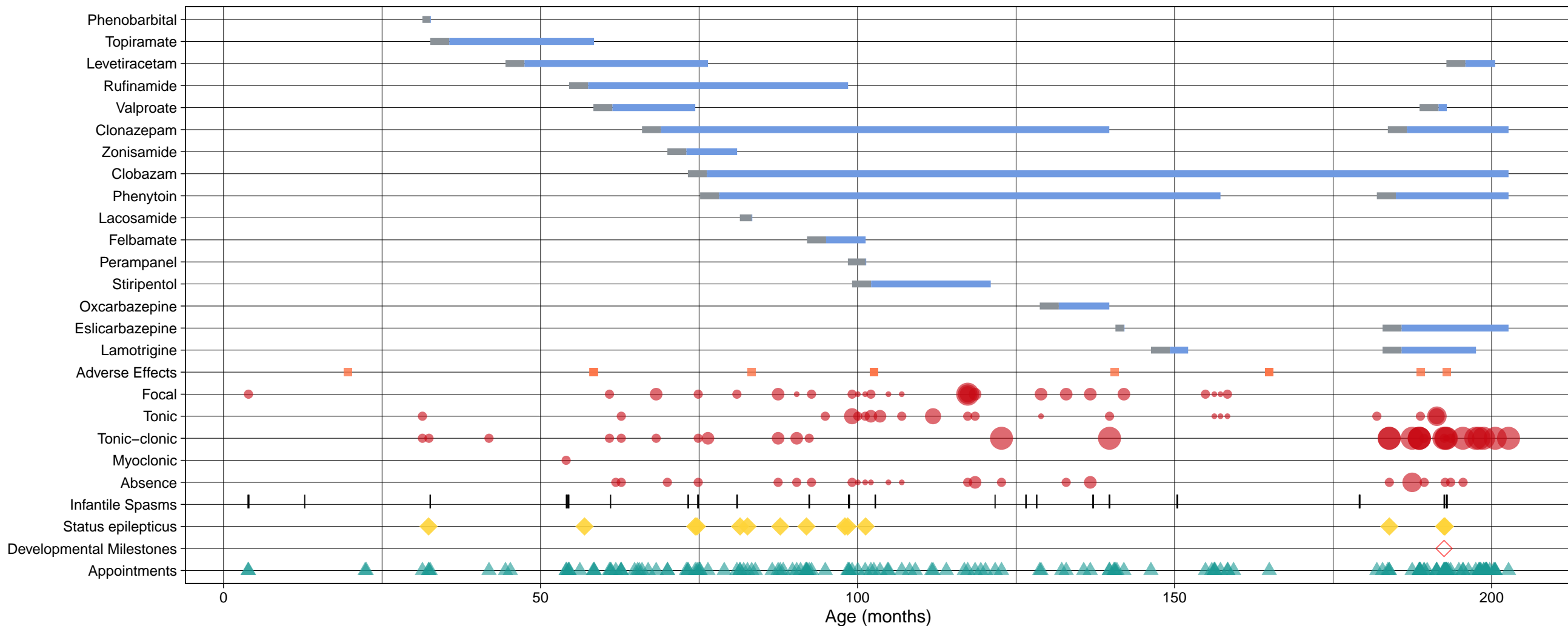
Seizure Index Comparisons

| Medication | Tonic-clonic | | Tonic | | Focal | | Myoclonic | | Absence | |
|-------------------|--------------|-------|--------|-------|--------|-------|-----------|-------|---------|-------|
| | Before | After | Before | After | Before | After | Before | After | Before | After |
| Clobazam | 0.18 | 0.3 | 0.03 | 0.14 | 0.01 | 0.18 | -0.12 | 0 | -0.02 | 0.09 |
| Phenytoin 1 | 0.18 | -0.23 | 0.03 | -0.21 | 0.08 | 0.08 | -0.12 | 0 | -0.03 | -0.14 |
| Clonazepam 1 | 0.12 | -0.21 | 0.05 | -0.06 | 0.13 | 0.15 | -0.12 | 0 | -0.03 | -0.1 |
| Rufinamide | 0.09 | -0.13 | 0.02 | -0.01 | 0.04 | -0.05 | -0.14 | 0 | 0.16 | 0.05 |
| Levetiracetam 1 | 0.09 | -0.06 | 0.03 | 0.04 | 0.1 | 0.07 | 0.19 | 0.19 | 0.19 | 0.09 |
| Topiramate | 0.03 | -0.05 | -0.18 | -0.13 | -0.18 | -0.17 | 0.21 | 0.21 | 0 | -0.09 |
| Stiripentol | -0.14 | -0.4 | 0.27 | 0.19 | 0.62 | 0.57 | -0.1 | 0 | 0.07 | 0.01 |
| Phenytoin 2 | 0.7 | 0.84 | 0.54 | 0.63 | -0.15 | 0 | -0.07 | 0 | 0.31 | 0.37 |
| Eslicarbazepine 2 | 0.72 | 0.86 | 0.56 | 0.65 | -0.15 | 0 | -0.07 | 0 | 0.32 | 0.38 |
| Clonazepam 2 | 0.74 | 0.88 | 0.57 | 0.67 | -0.15 | 0 | -0.07 | 0 | 0.33 | 0.39 |
| Valproate 1 | 0.15 | -0.01 | 0.15 | 0.13 | 0.42 | 0.38 | -0.13 | 0 | 0.28 | 0.18 |
| Lamotrigine 2 | 0.79 | -1.28 | 0.68 | 0.78 | -0.15 | 0 | -0.07 | 0 | 0.4 | 0.46 |
| Zonisamide | 0.43 | 0.24 | -0.12 | -0.15 | 0.17 | 0.16 | -0.12 | 0 | 0.23 | 0.26 |
| Oxcarbazepine | -0.15 | -0.45 | -0.14 | -0.24 | 0.52 | 0.61 | -0.09 | 0 | 0.47 | 0.34 |
| Felbamate | -0.15 | -0.36 | 0.56 | 0.51 | 0.02 | -0.12 | -0.1 | 0 | 0.03 | 0.01 |
| Levetiracetam 2 | 2.11 | -1.14 | -0.11 | 0 | -0.14 | 0 | -0.07 | 0 | -0.08 | 0 |
| Lamotrigine 1 | -0.16 | -0.5 | -0.12 | -0.27 | -0.17 | -0.06 | -0.08 | 0 | -0.07 | -0.22 |
| Valproate 2 | 2.16 | 1.13 | -0.09 | 0 | -0.14 | 0 | -0.07 | 0 | 0.81 | 0.57 |

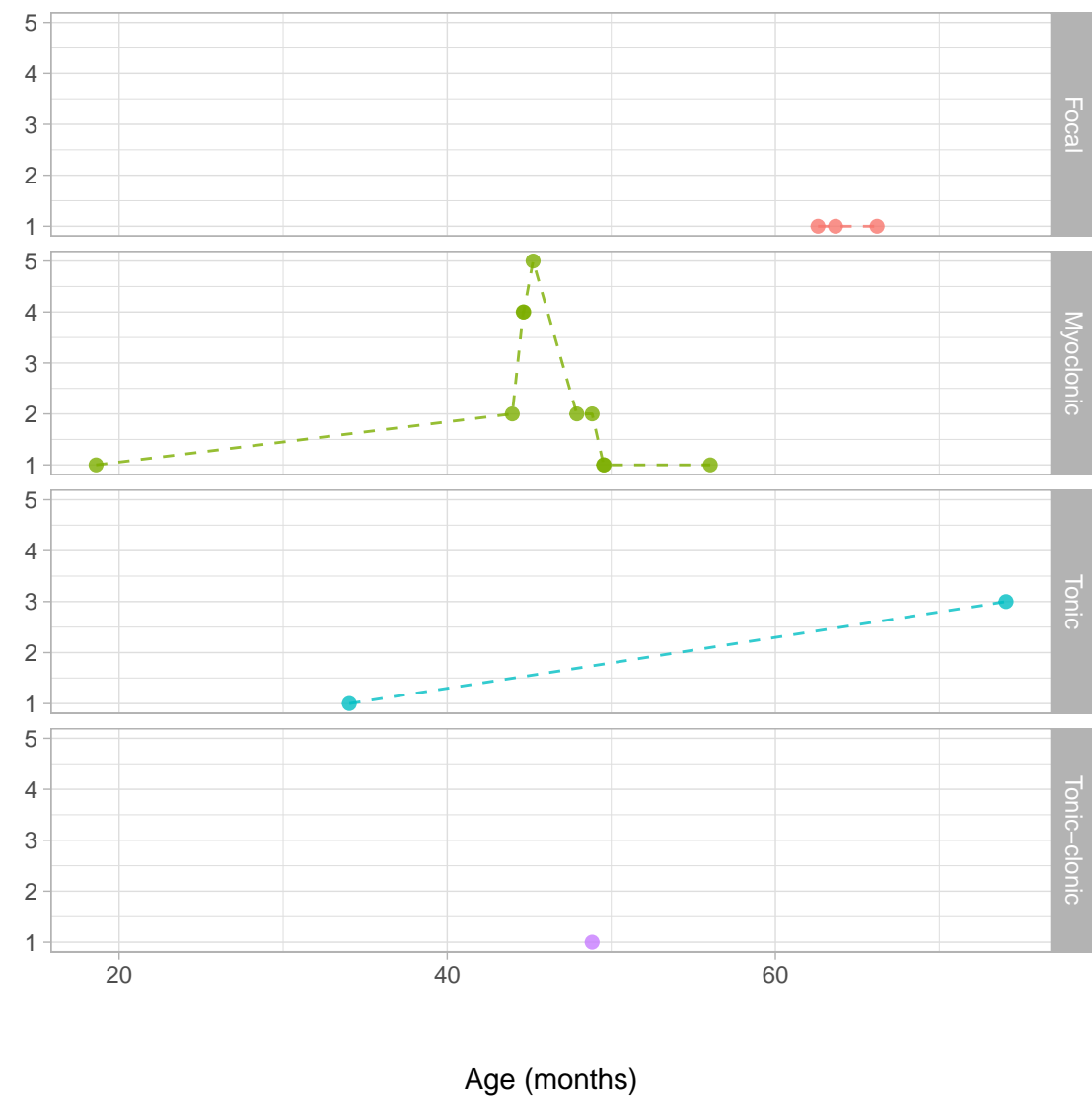
Change in Seizure Index



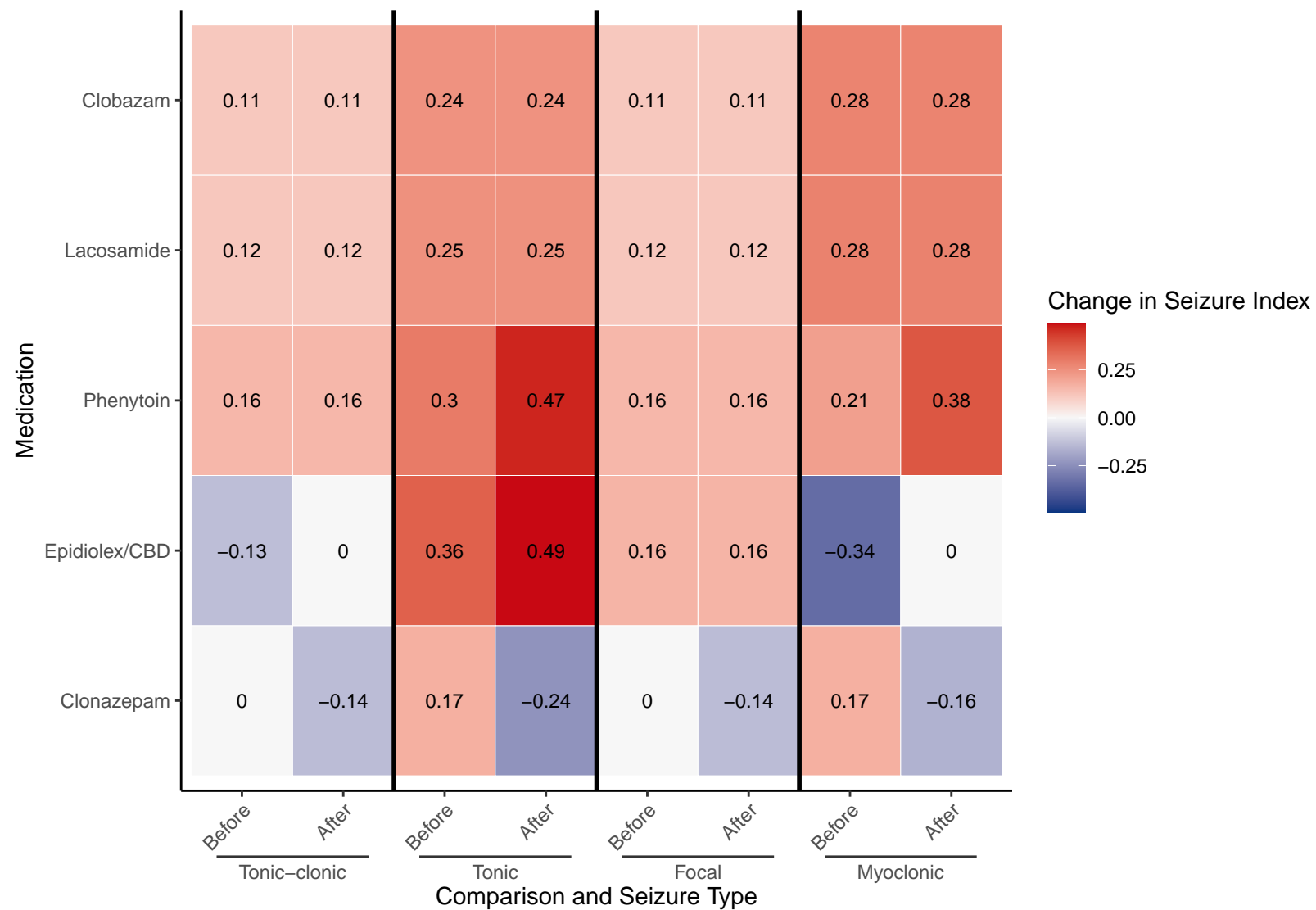
63a0fc61-63b8-4c09-9f42-a2580f9f59c4 (Registry #563) (p.Leu1320Phe)



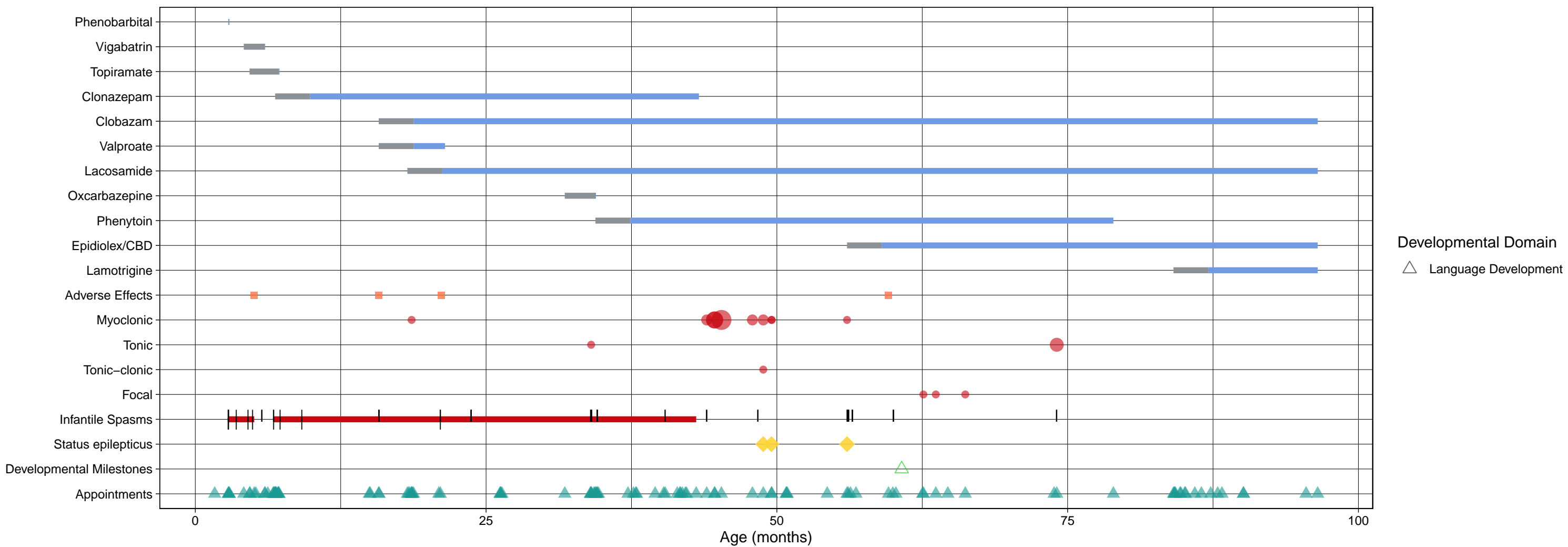
Seizure Index

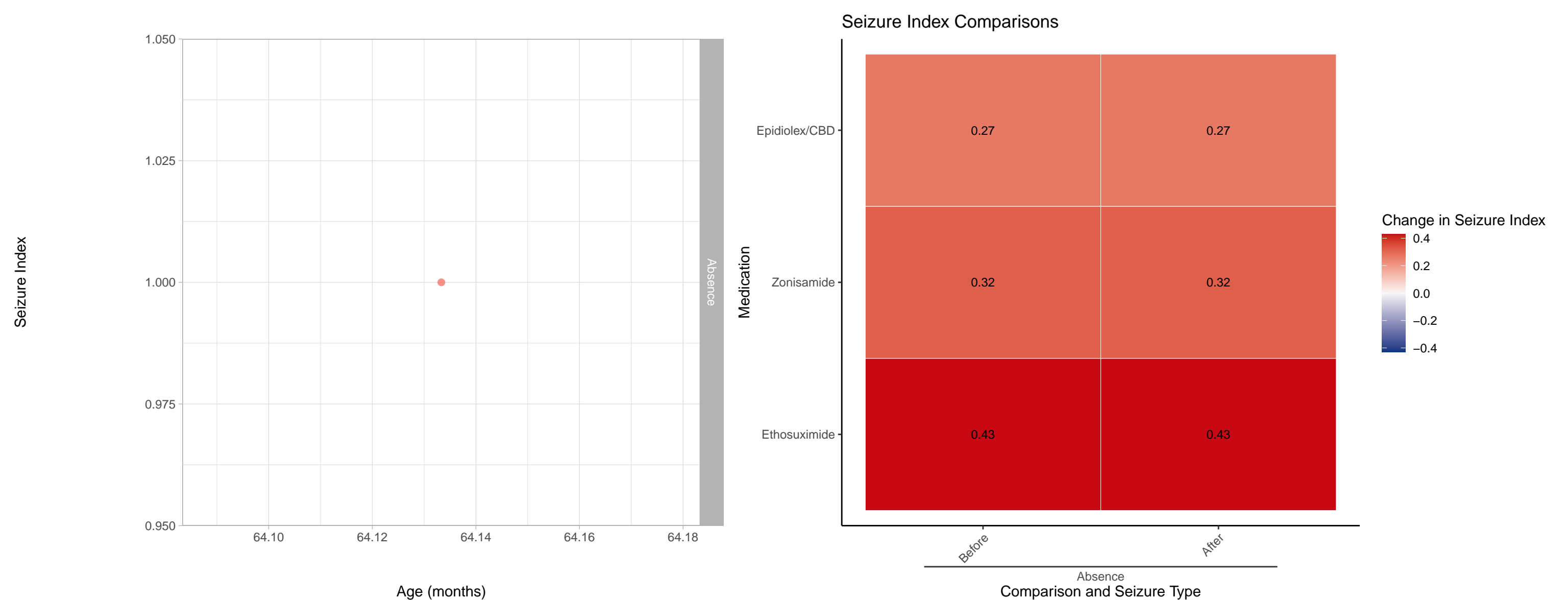


Seizure Index Comparisons

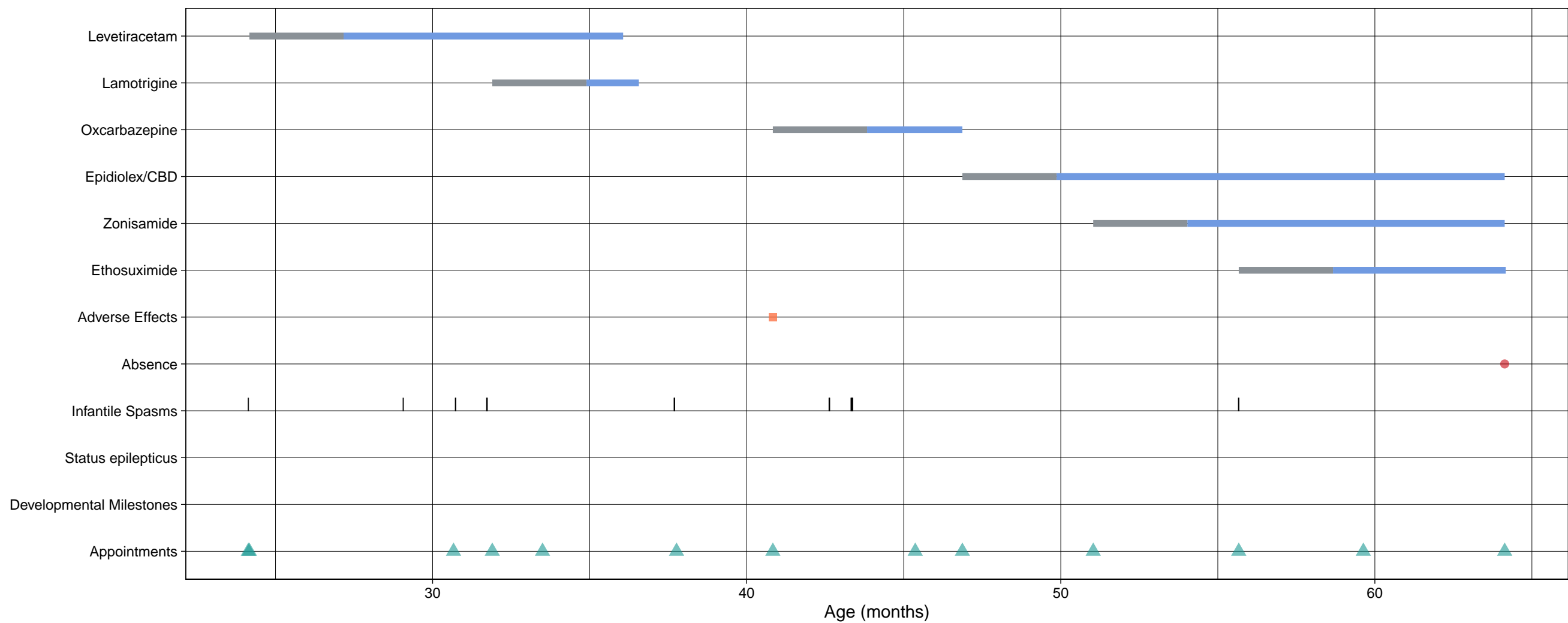


8d912349-aca0-4a74-98a7-c574d56bfc7d (Registry #152) (p.Leu1332Arg) - IF

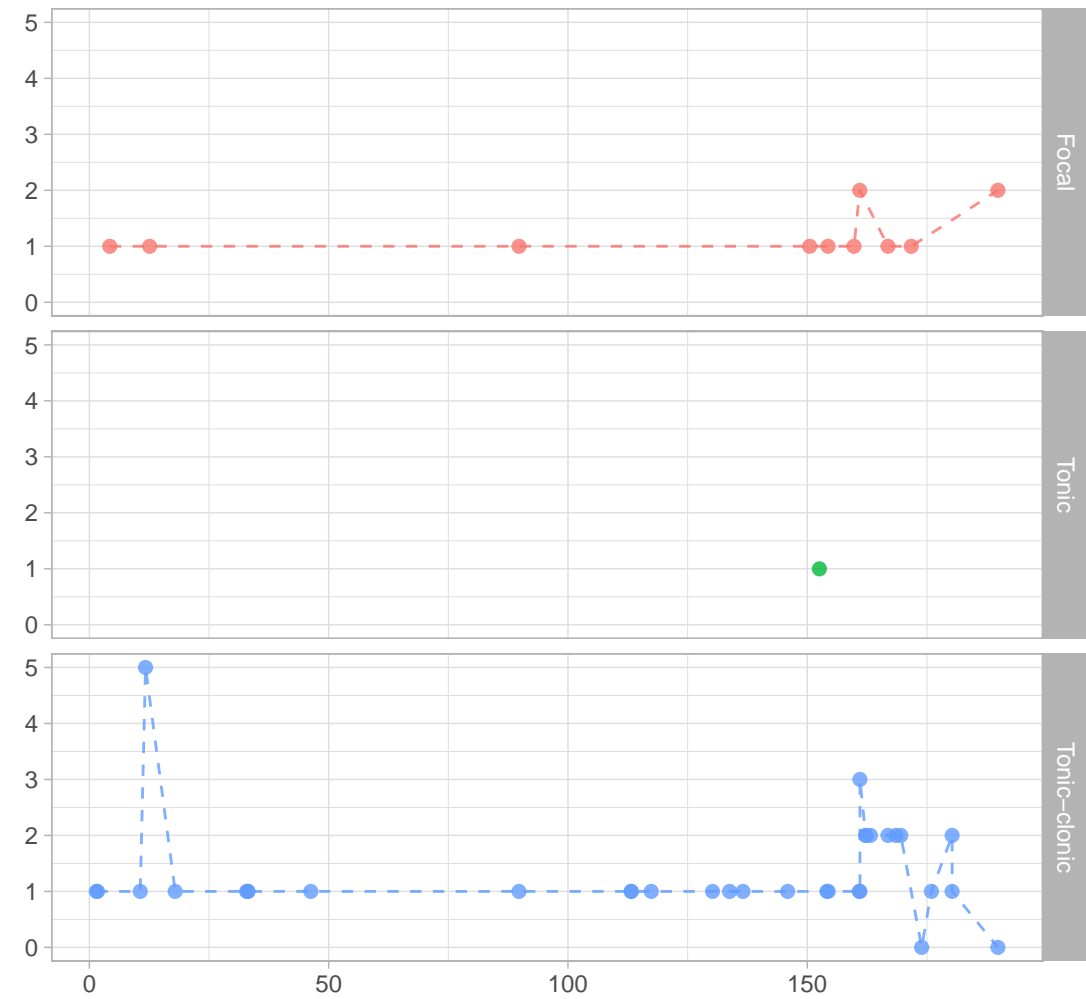




9527087a-40c6-48e4-993c-e3f12f746ee2 (Registry #100) (p.Asp1465Asn)

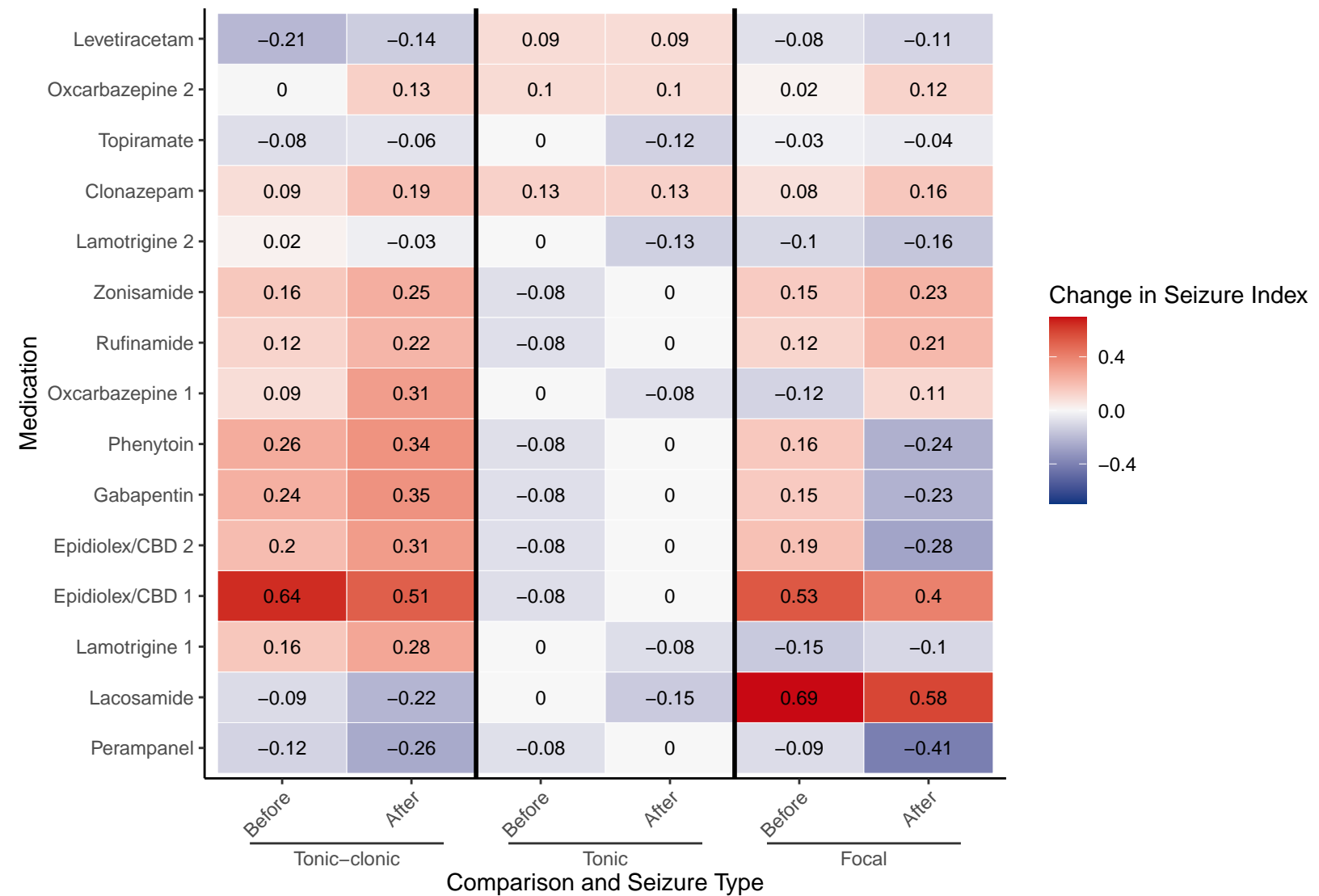


Seizure Index

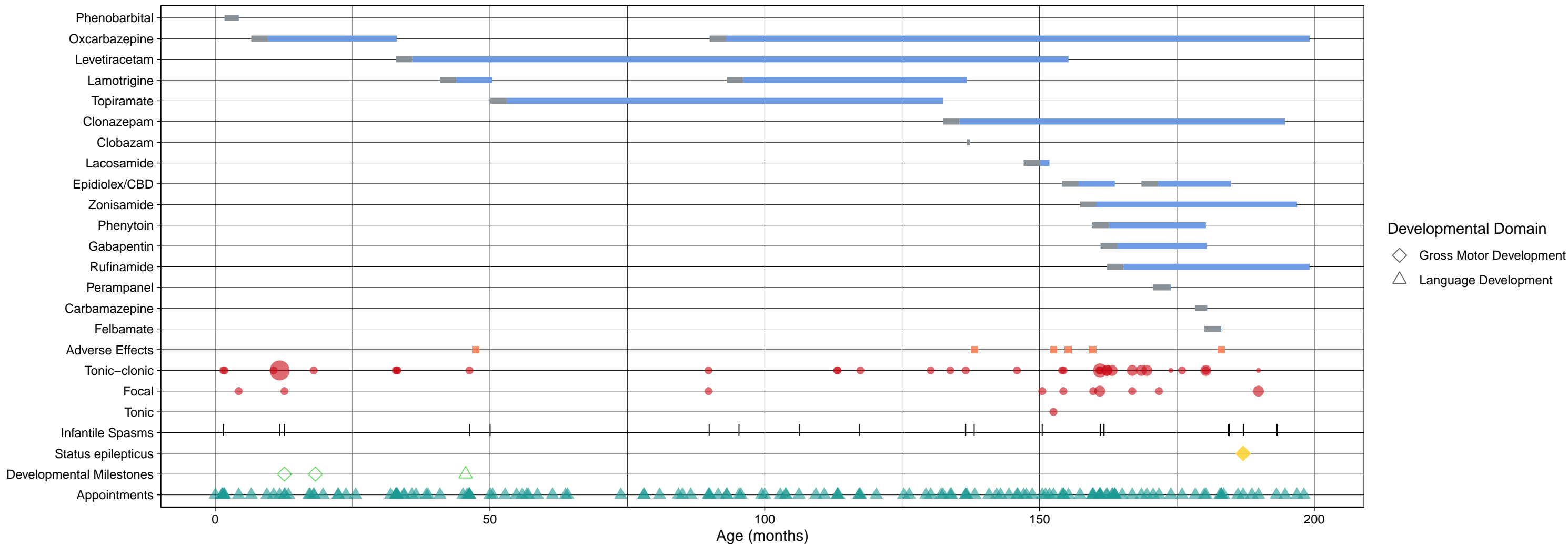


Age (months)

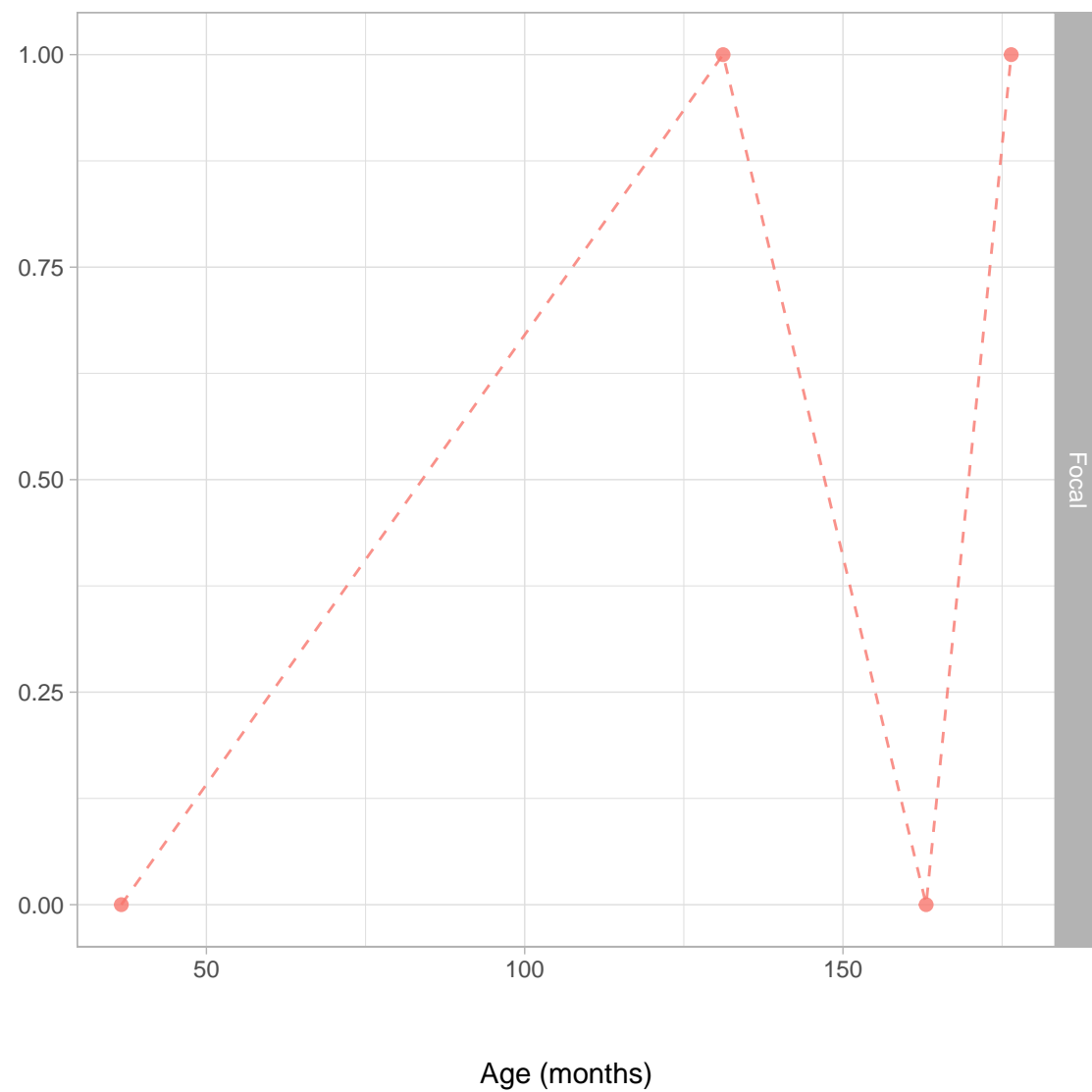
Seizure Index Comparisons



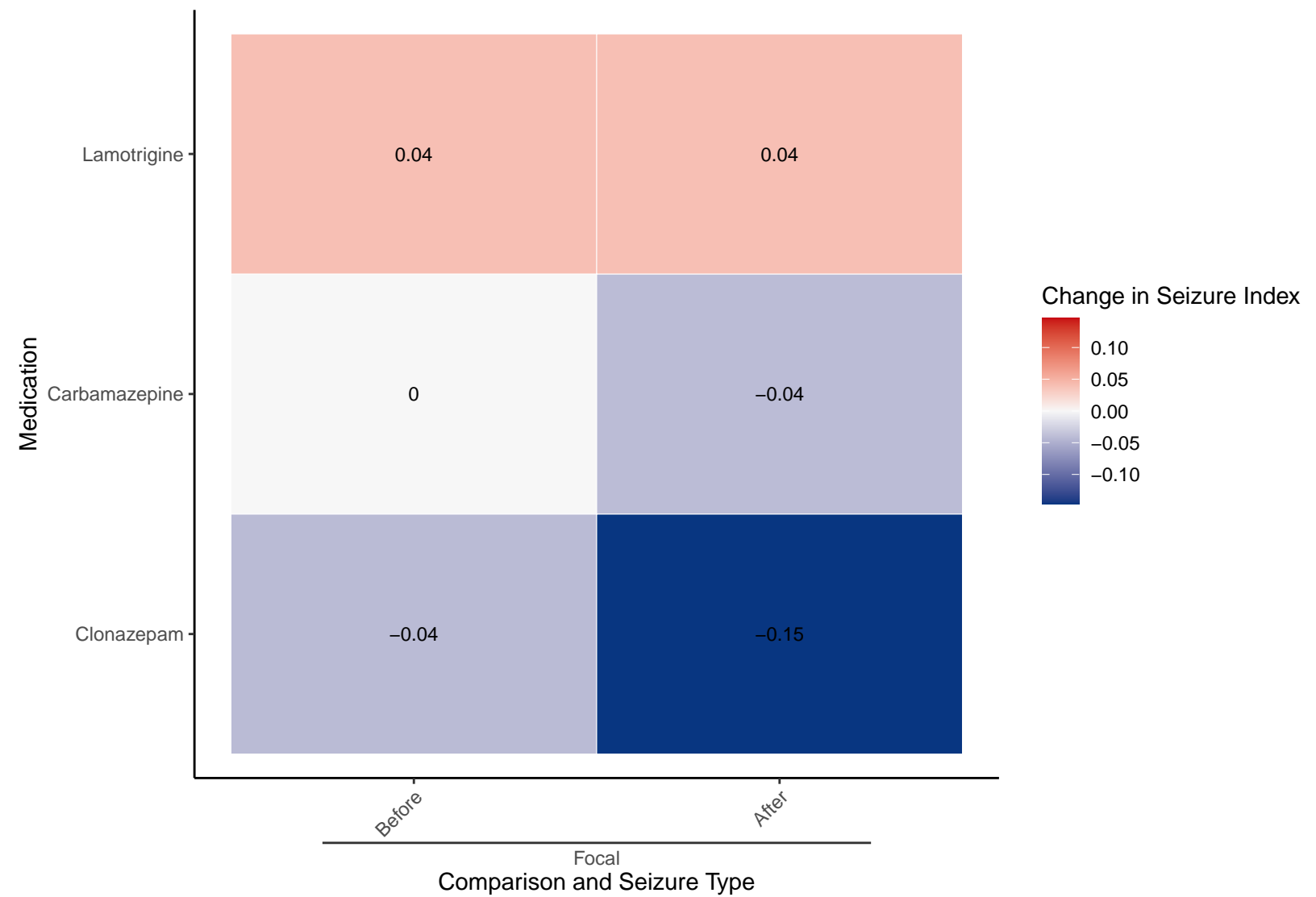
bf66f57a-d02d-4101-a533-ec8d6b8acebf (Registry #38) (p.Gly1475Arg)



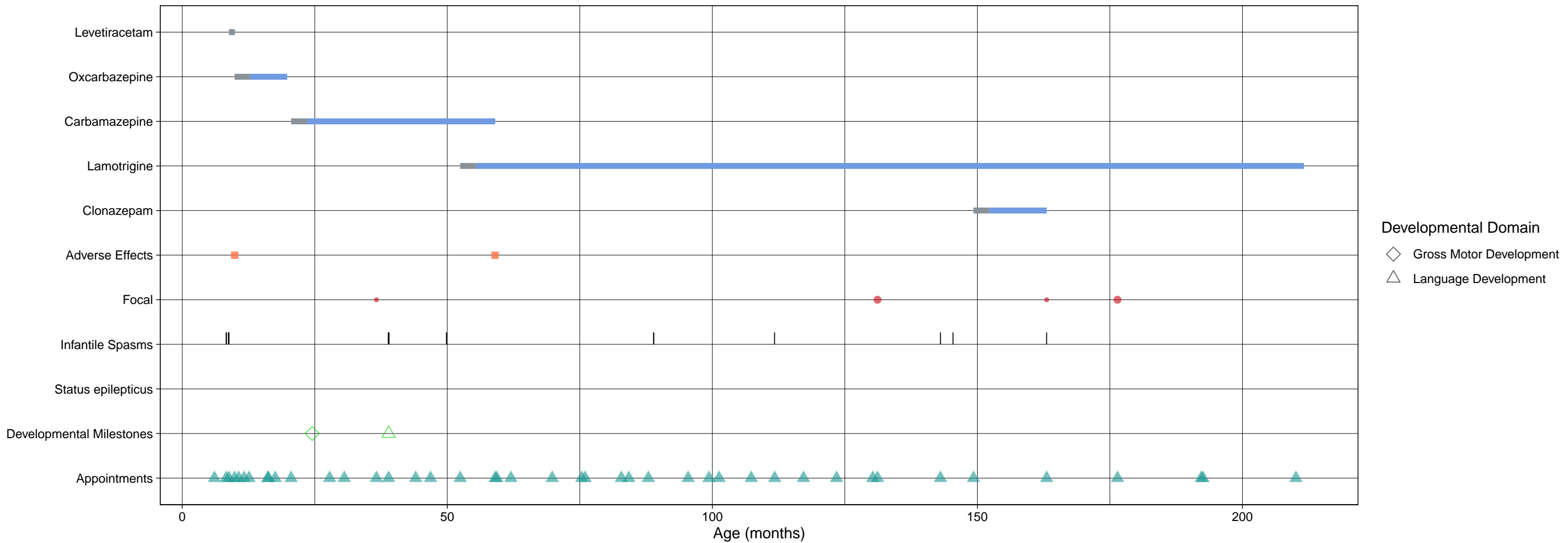
Seizure Index



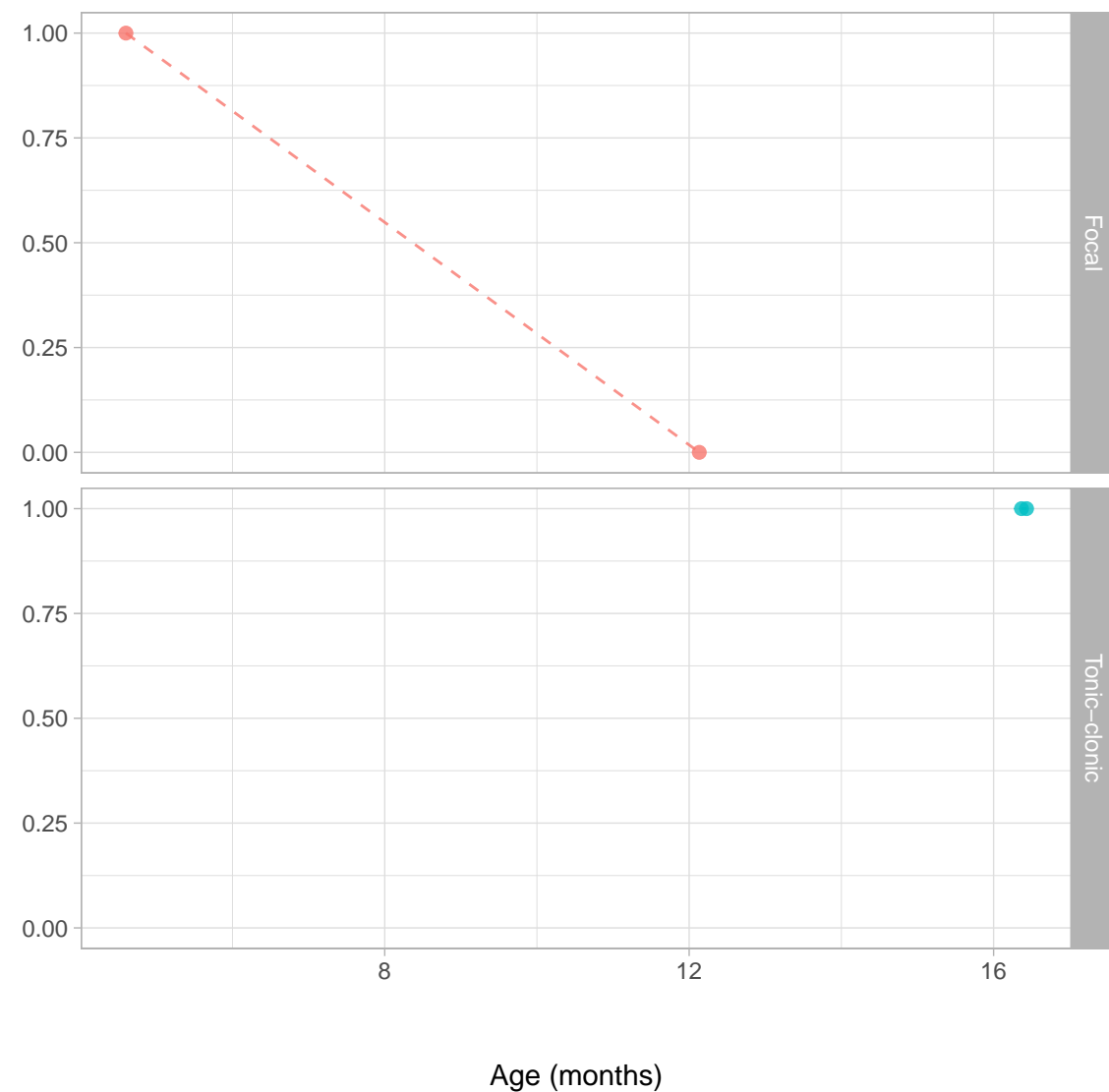
Seizure Index Comparisons



e02e1f36-7df8-4cbf-9e12-872a38b8a8bf (Registry #160) (p.Gly1475Arg)



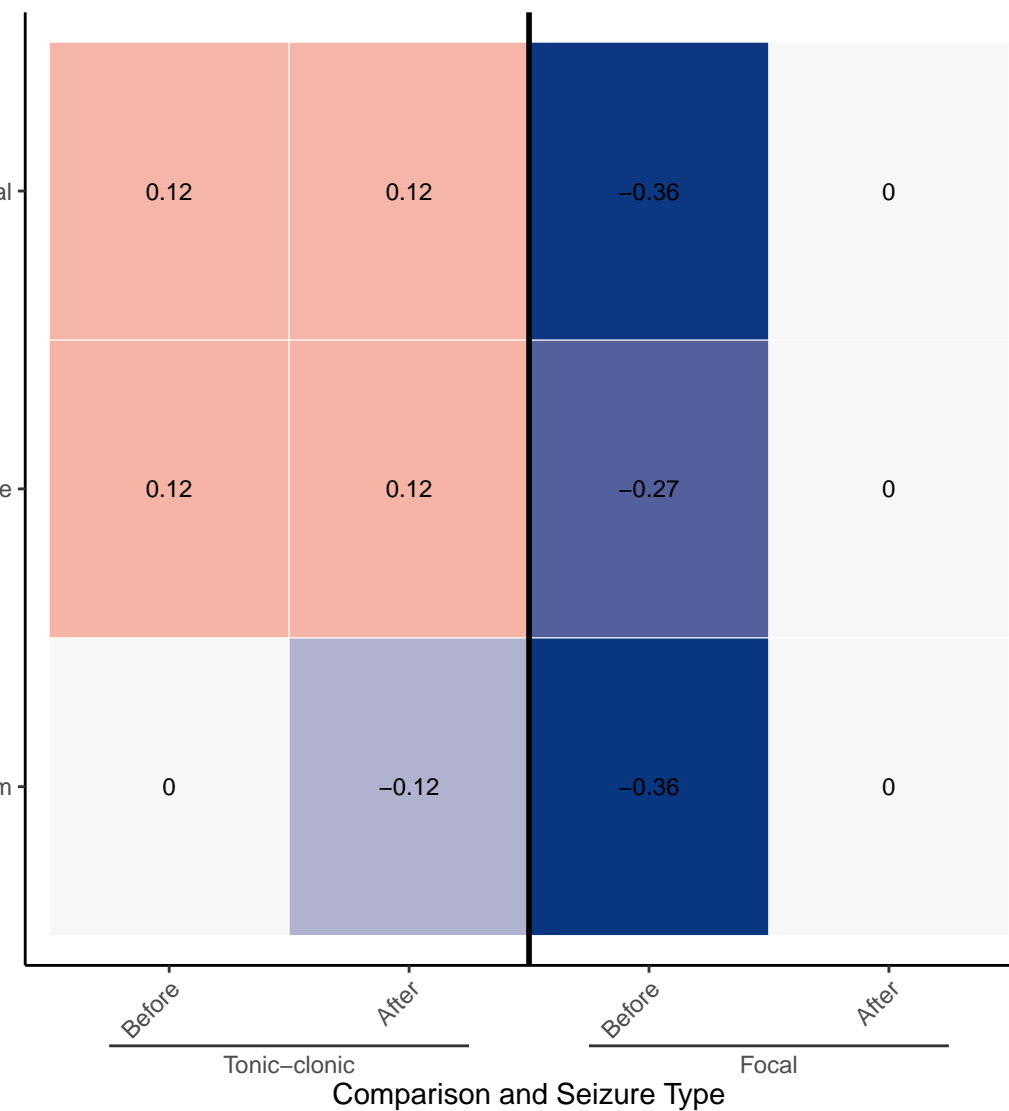
Seizure Index



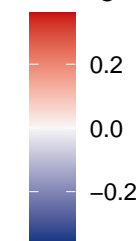
Medication

Phenobarbital
Lacosamide
Levetiracetam

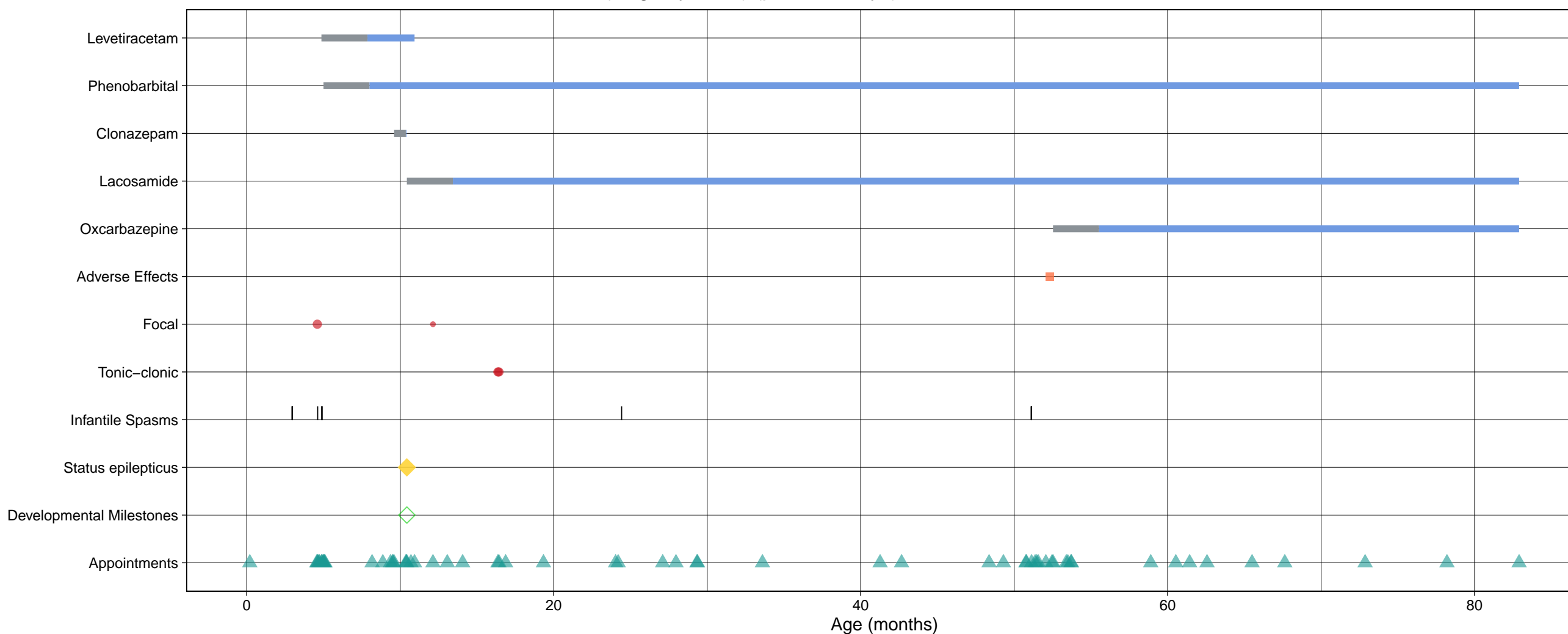
Seizure Index Comparisons



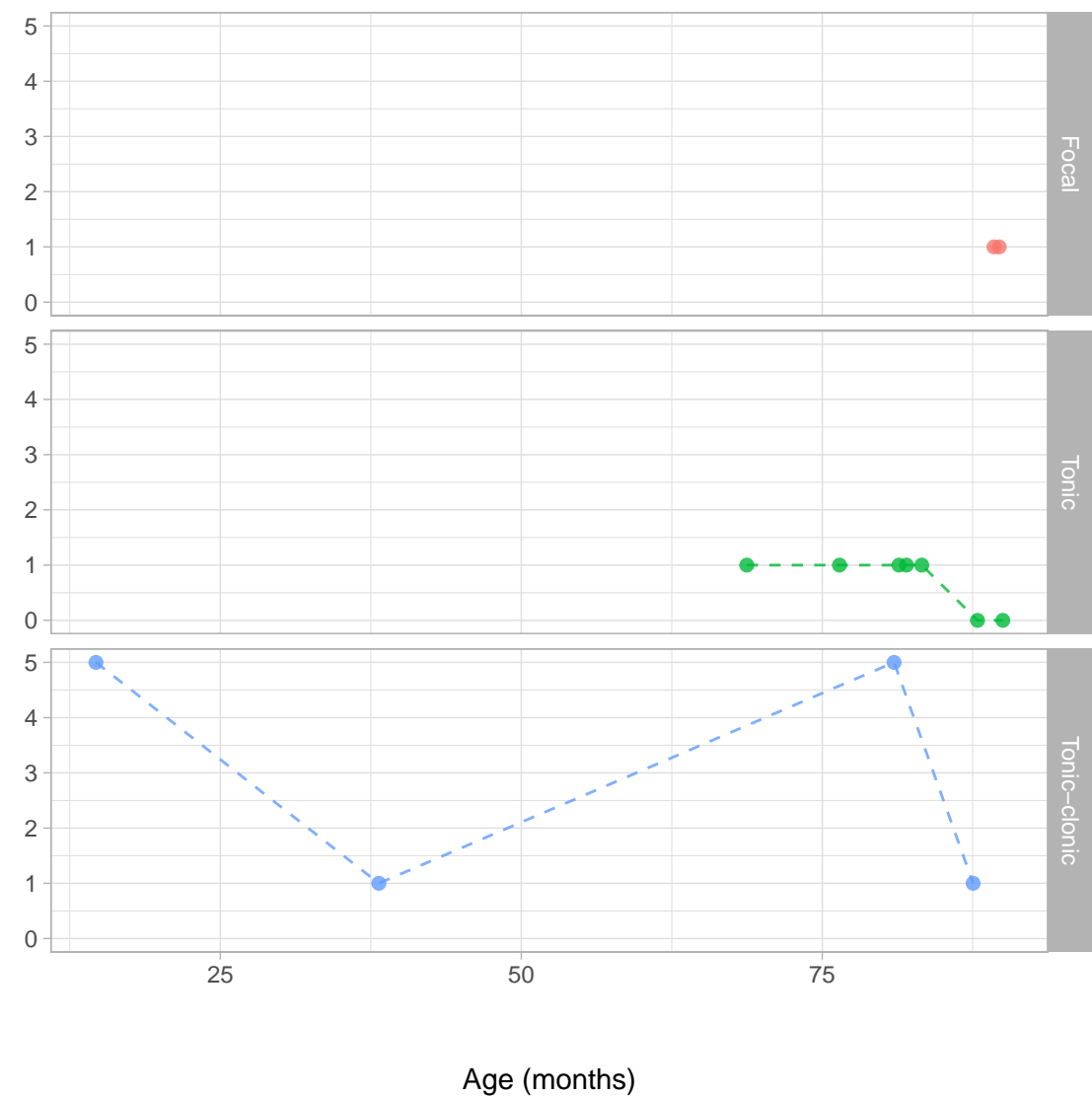
Change in Seizure Index



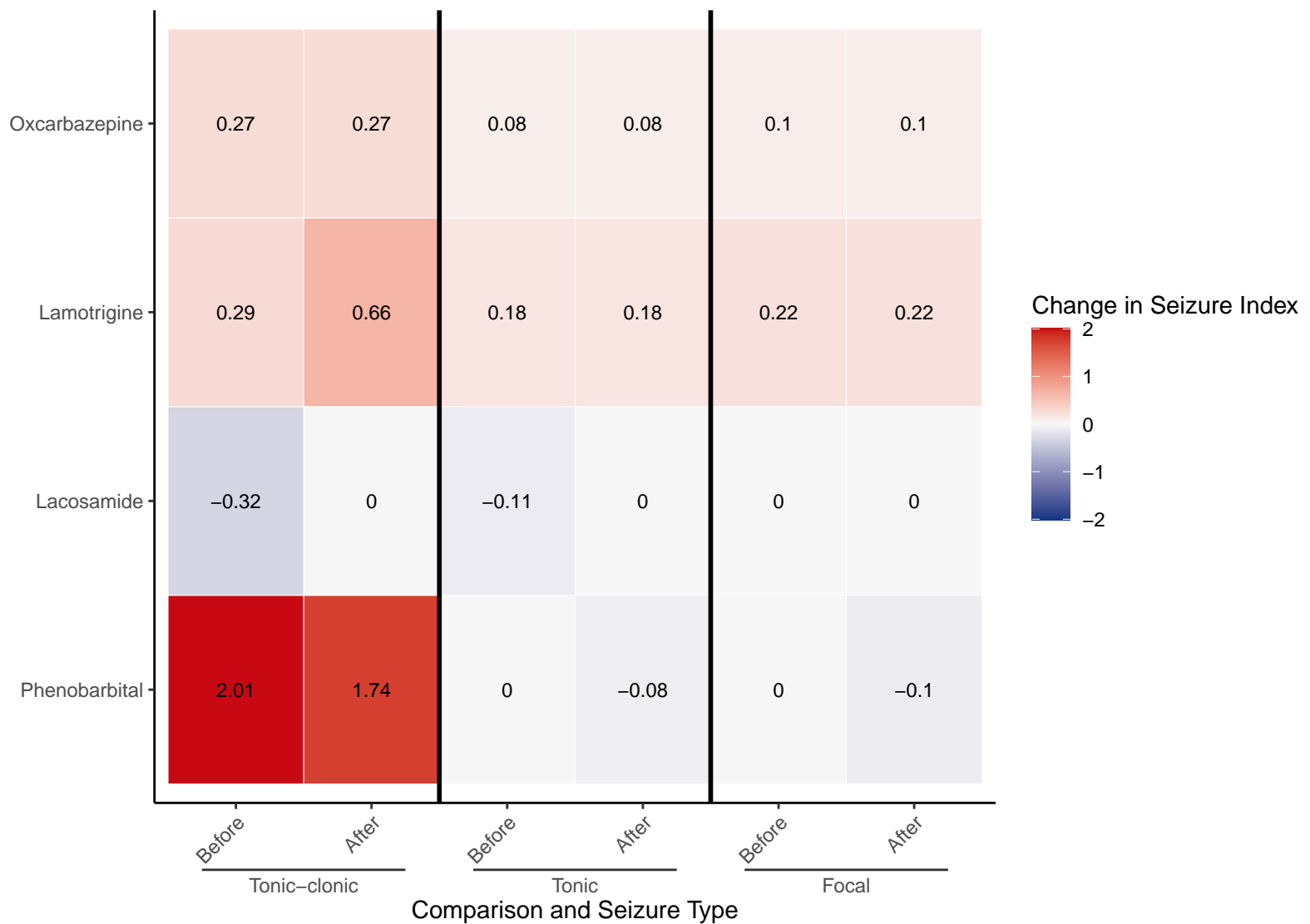
bae51aa8-6c1f-4ea1-8005-f07558477c41 (Registry #863) (p.Gln1501Lys)



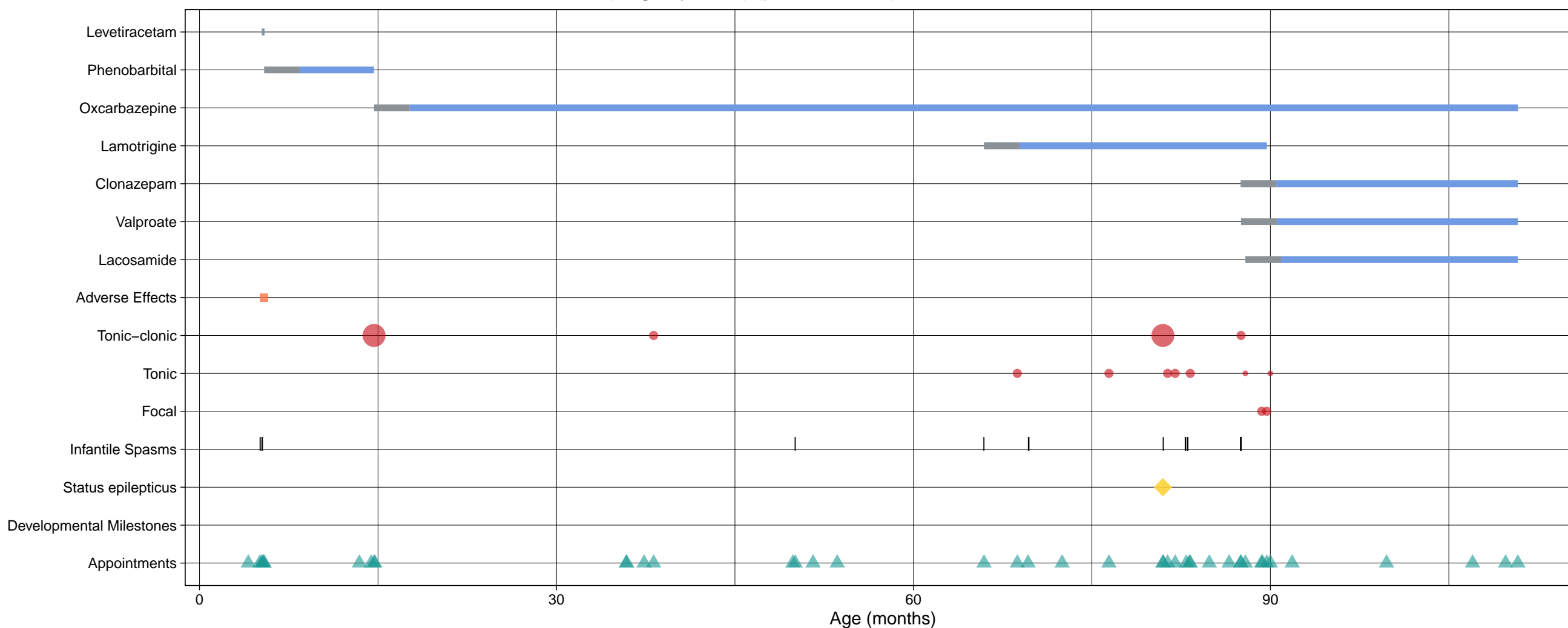
Seizure Index



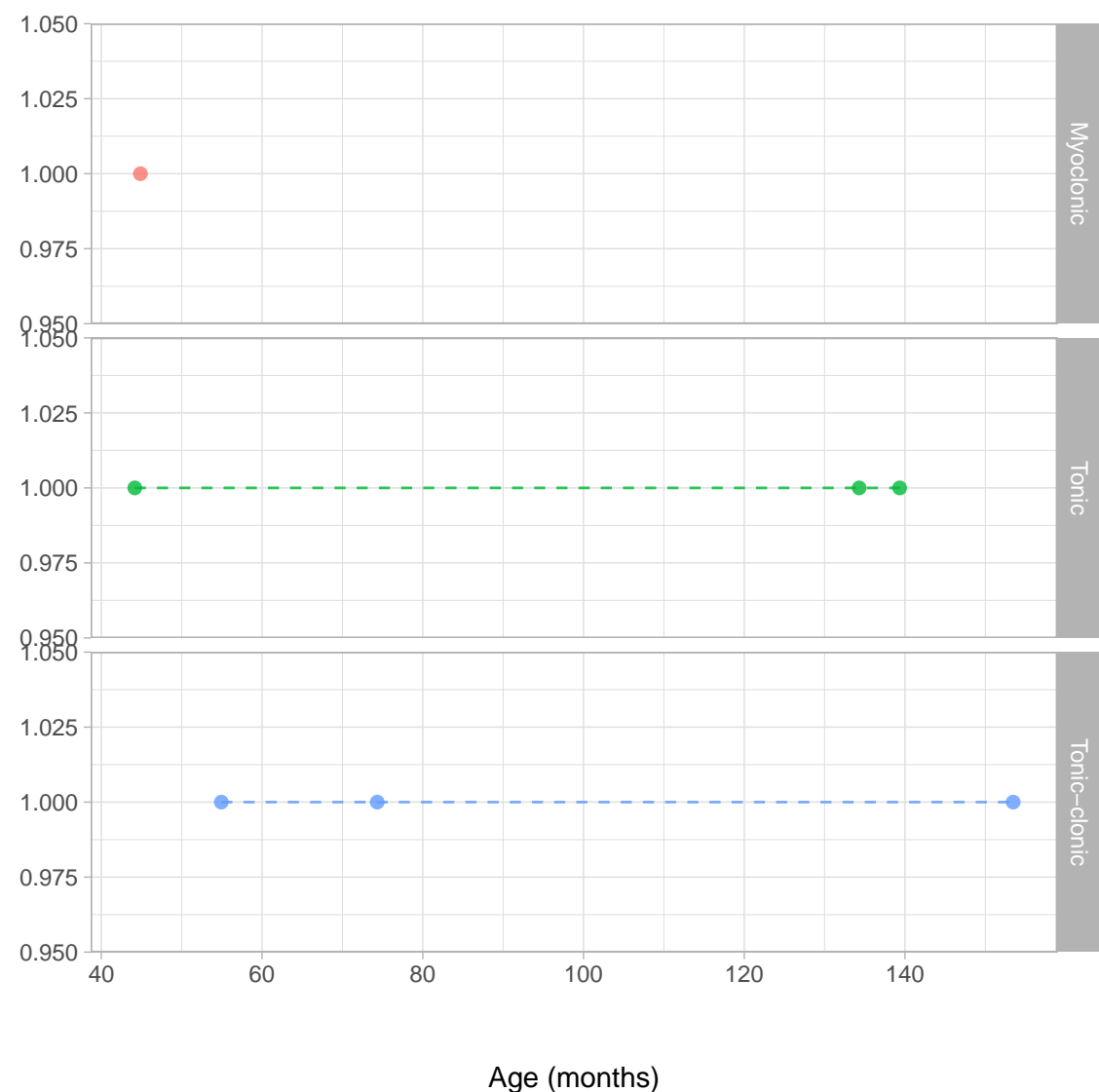
Seizure Index Comparisons



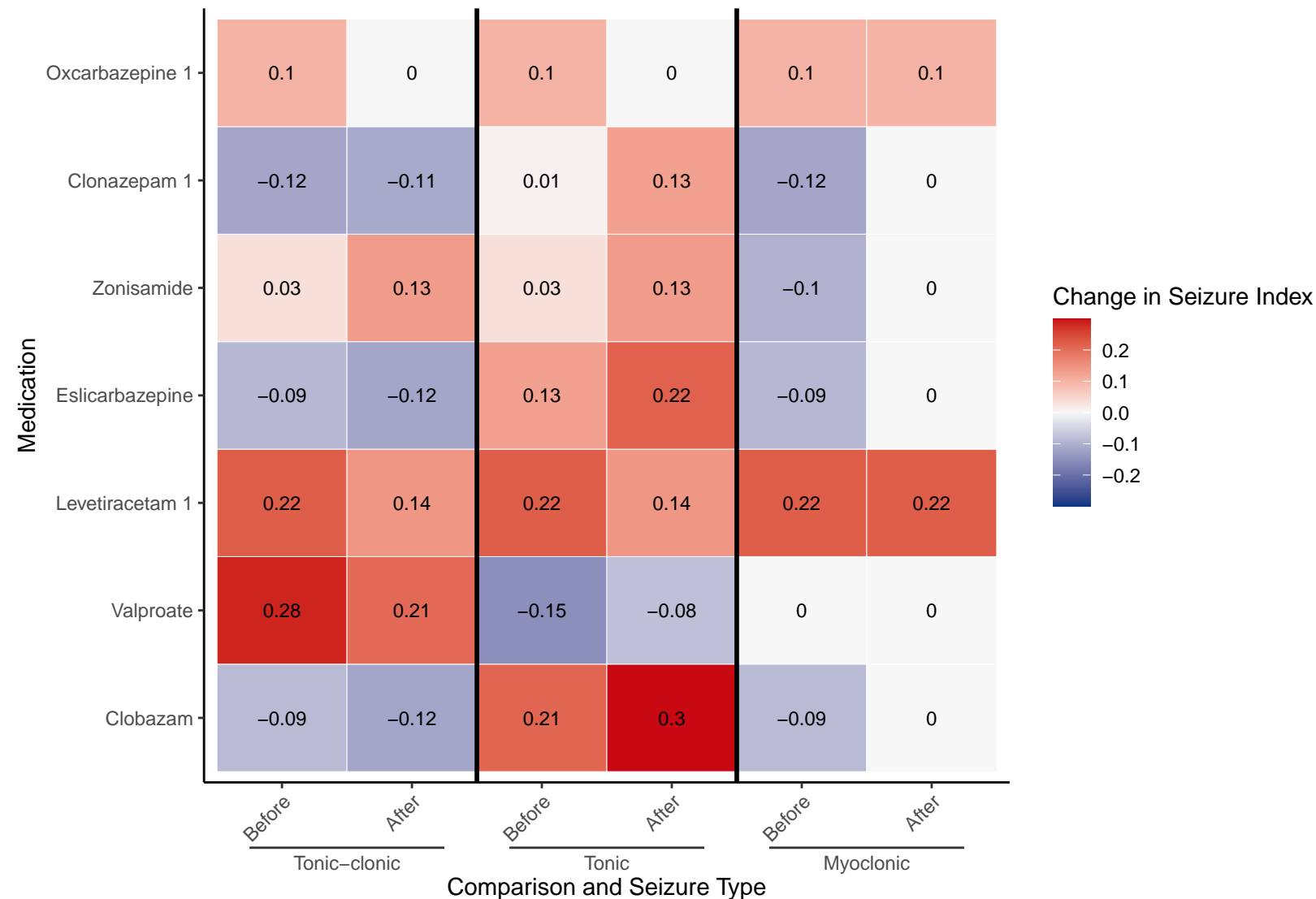
e320e6d6-0e44-423f-a3dc-18029444b6e8 (Registry #142) (p.Val1592Leu)



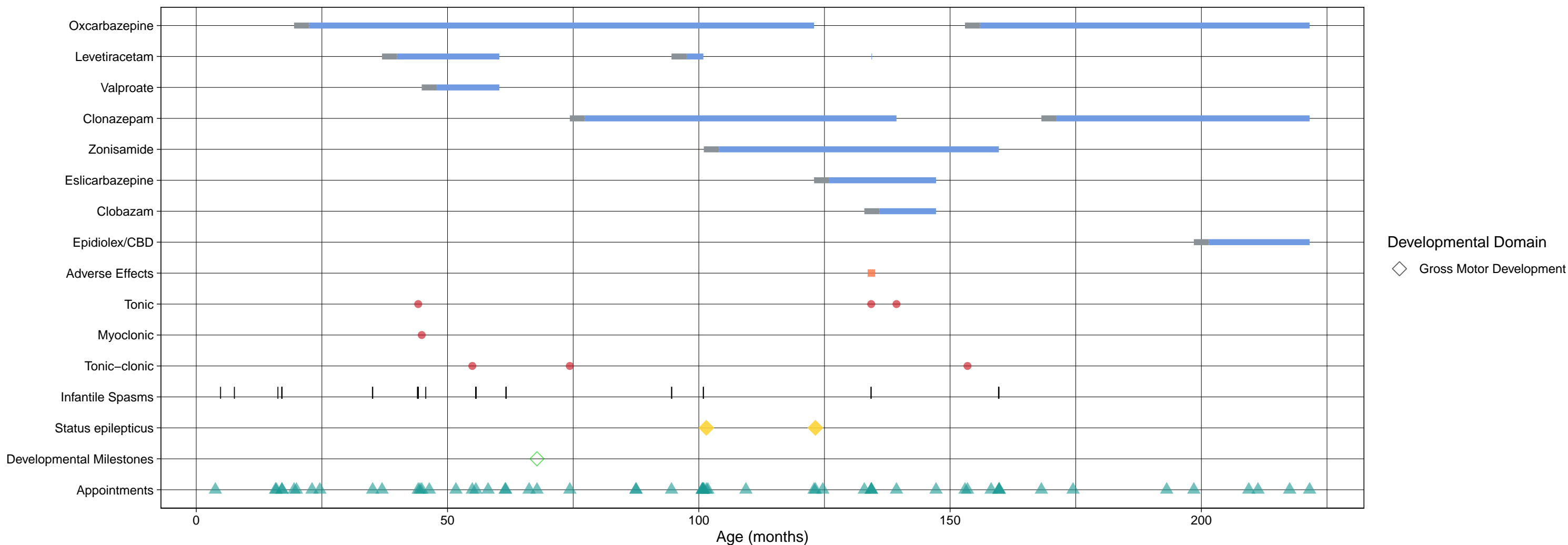
Seizure Index



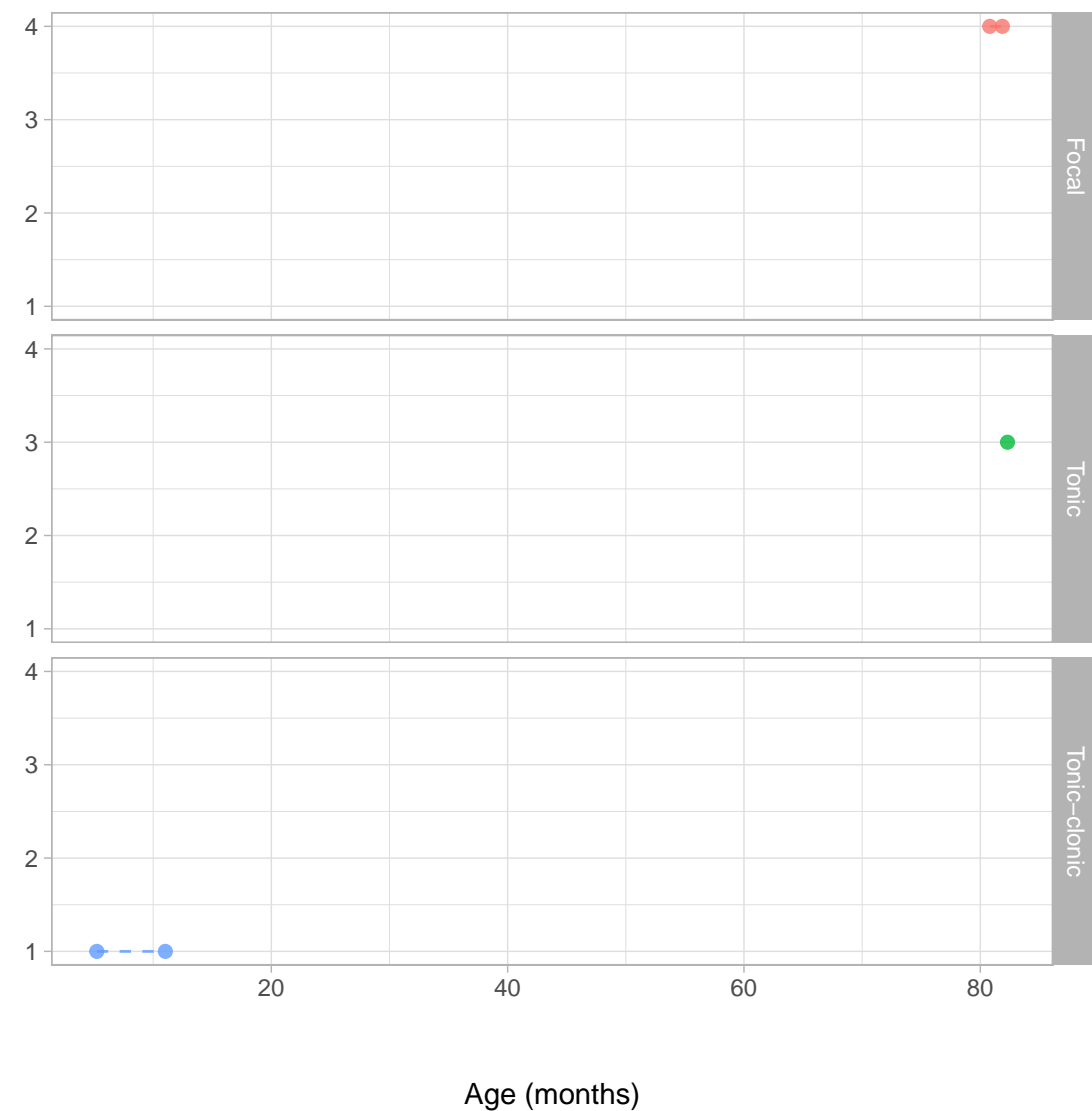
Seizure Index Comparisons



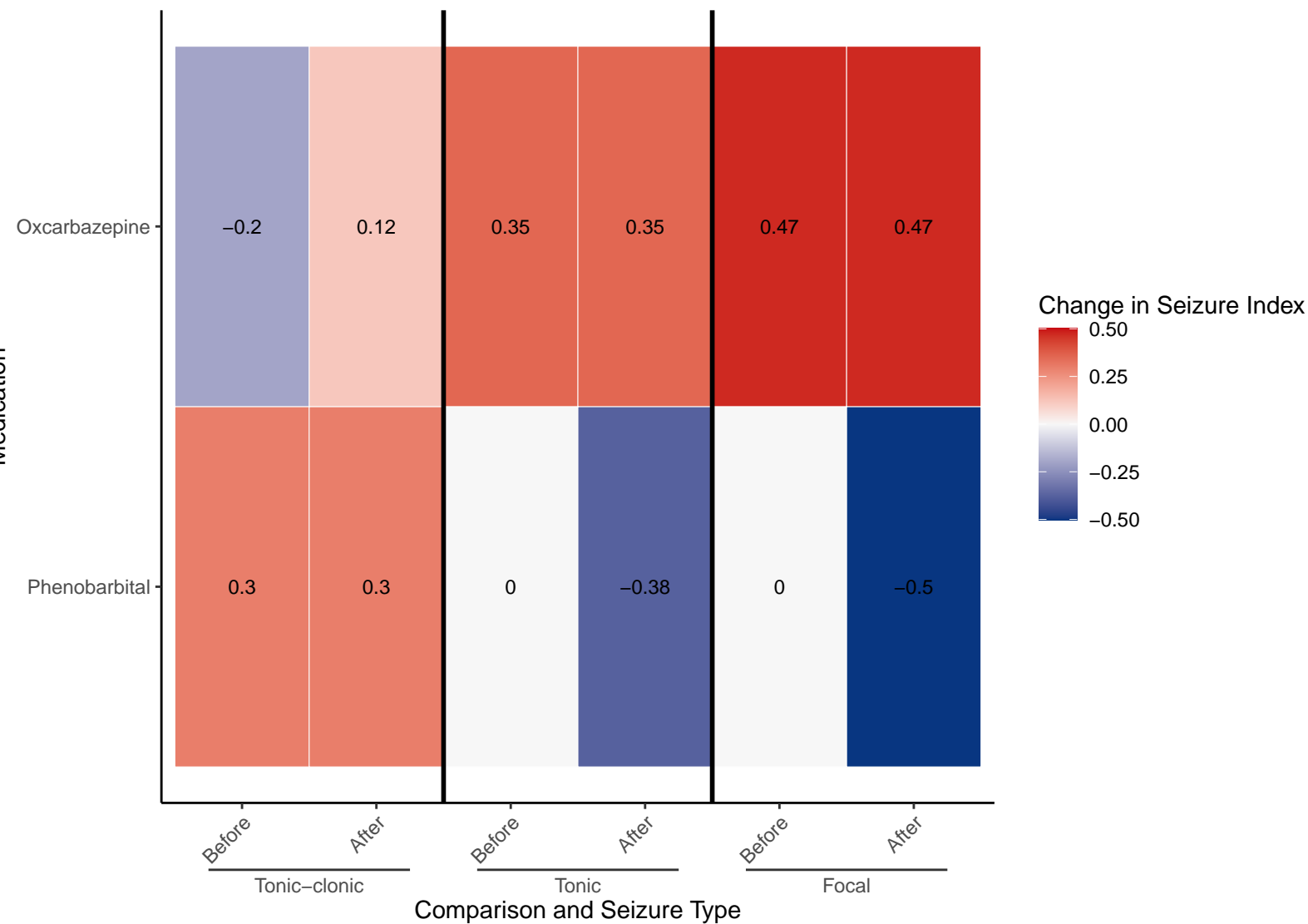
52928f64–eb12–44b7–a63c–7276af7a9c71 (Registry #560) (p.Arg1617Gln)



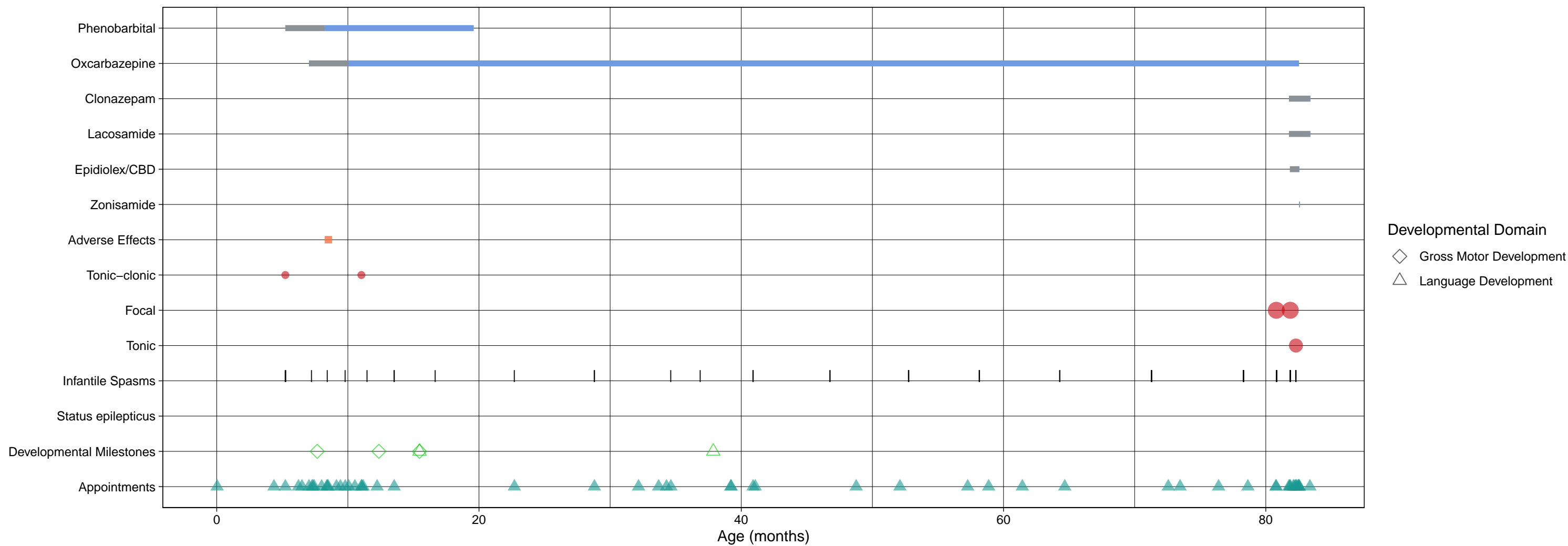
Seizure Index



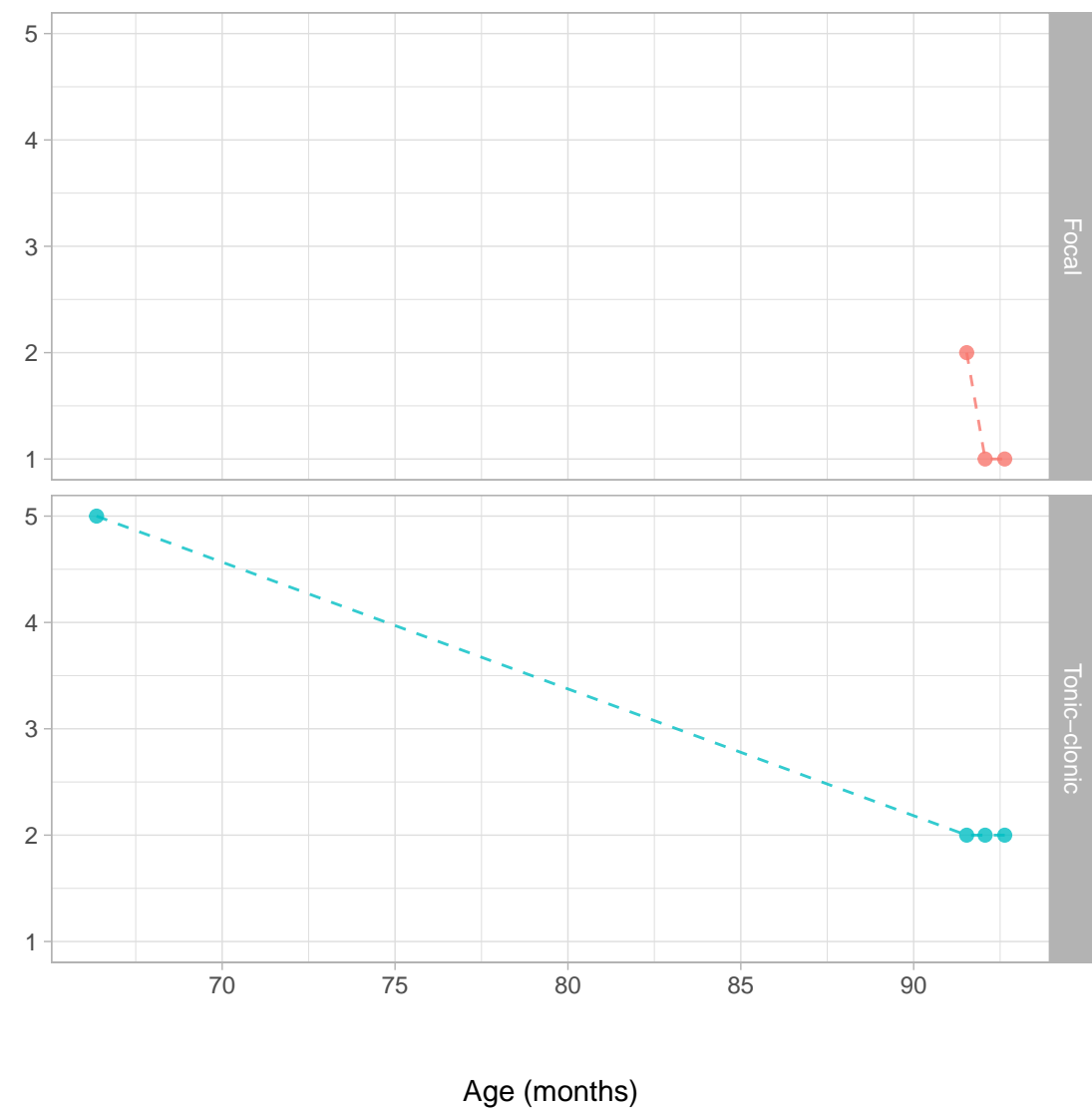
Seizure Index Comparisons



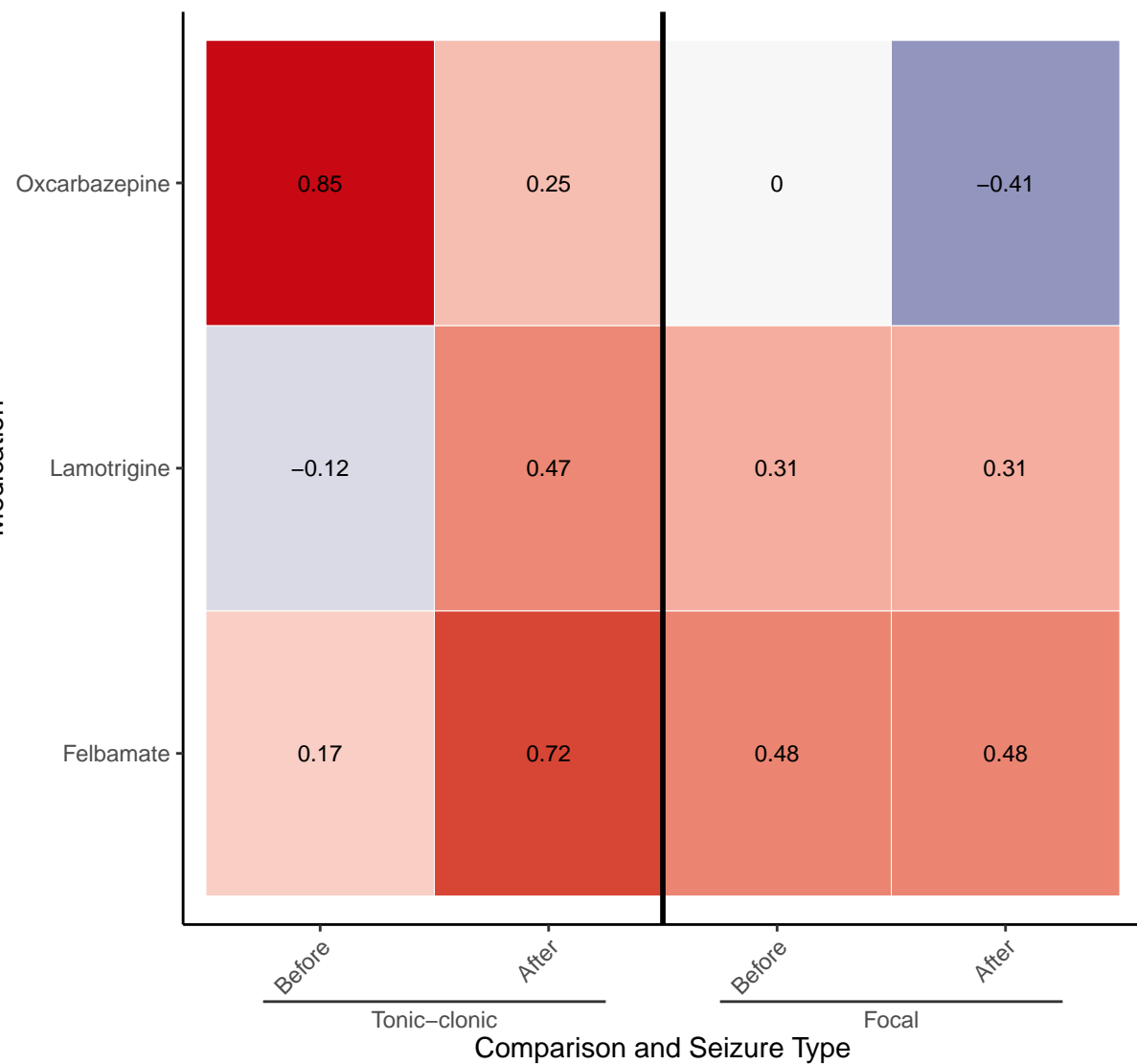
7c192916-2b3a-44bc-b42f-f92f6f81bd41 (Registry #638) (p.Arg1617Gln)



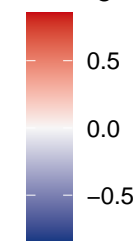
Seizure Index



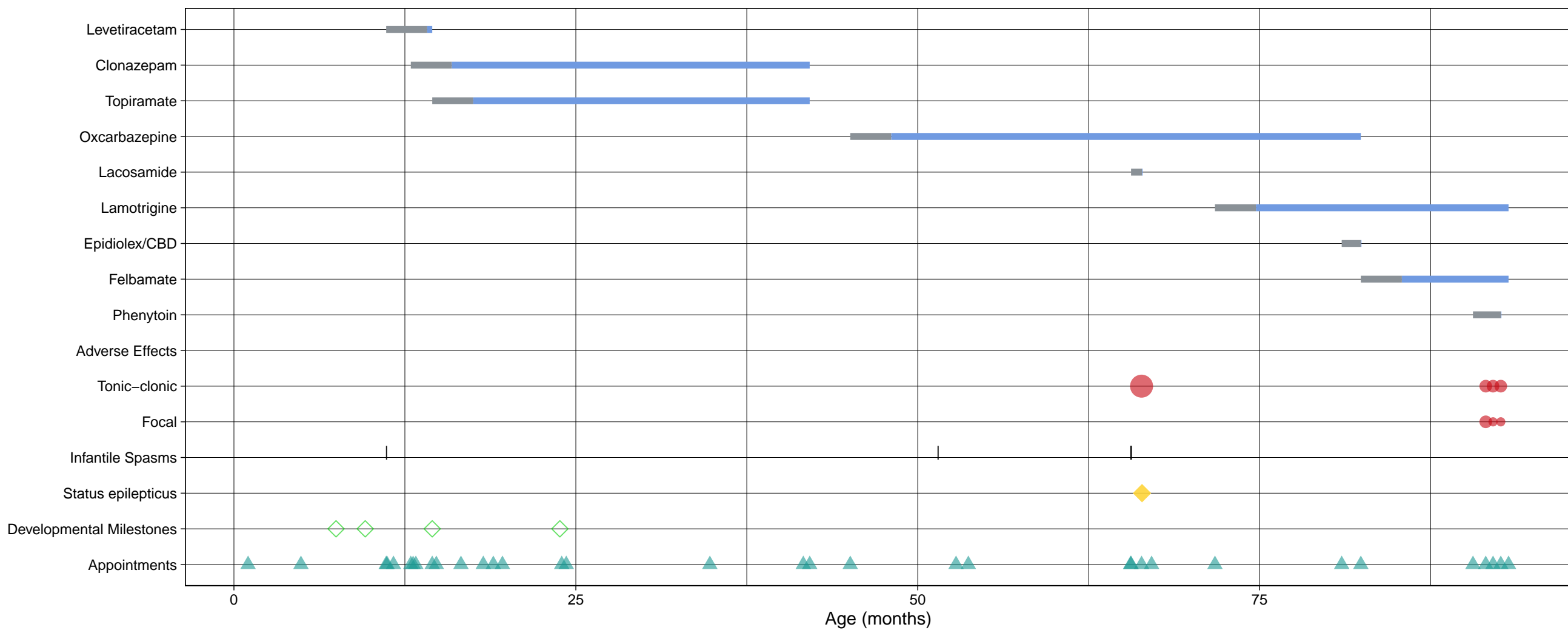
Medication



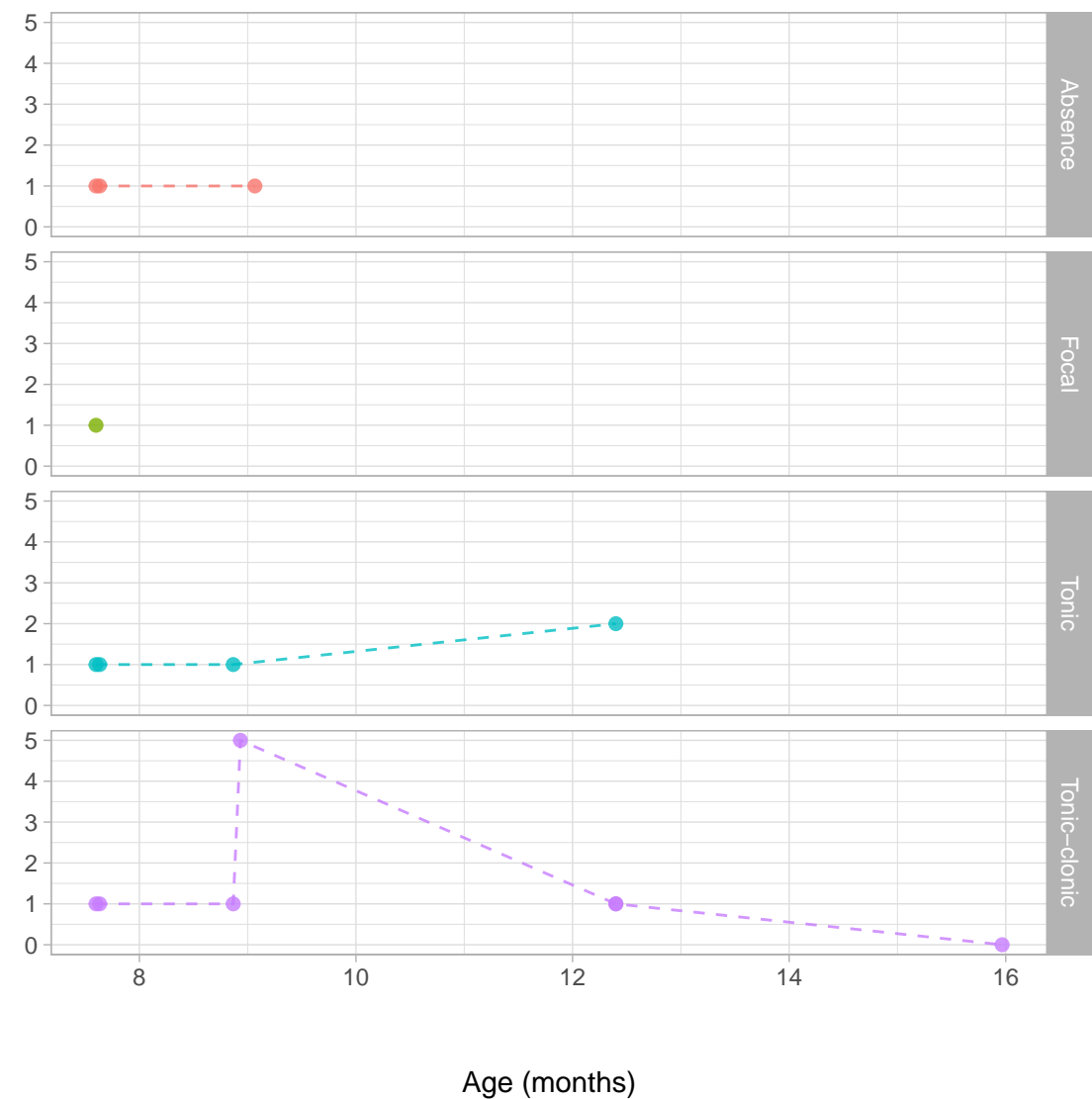
Change in Seizure Index



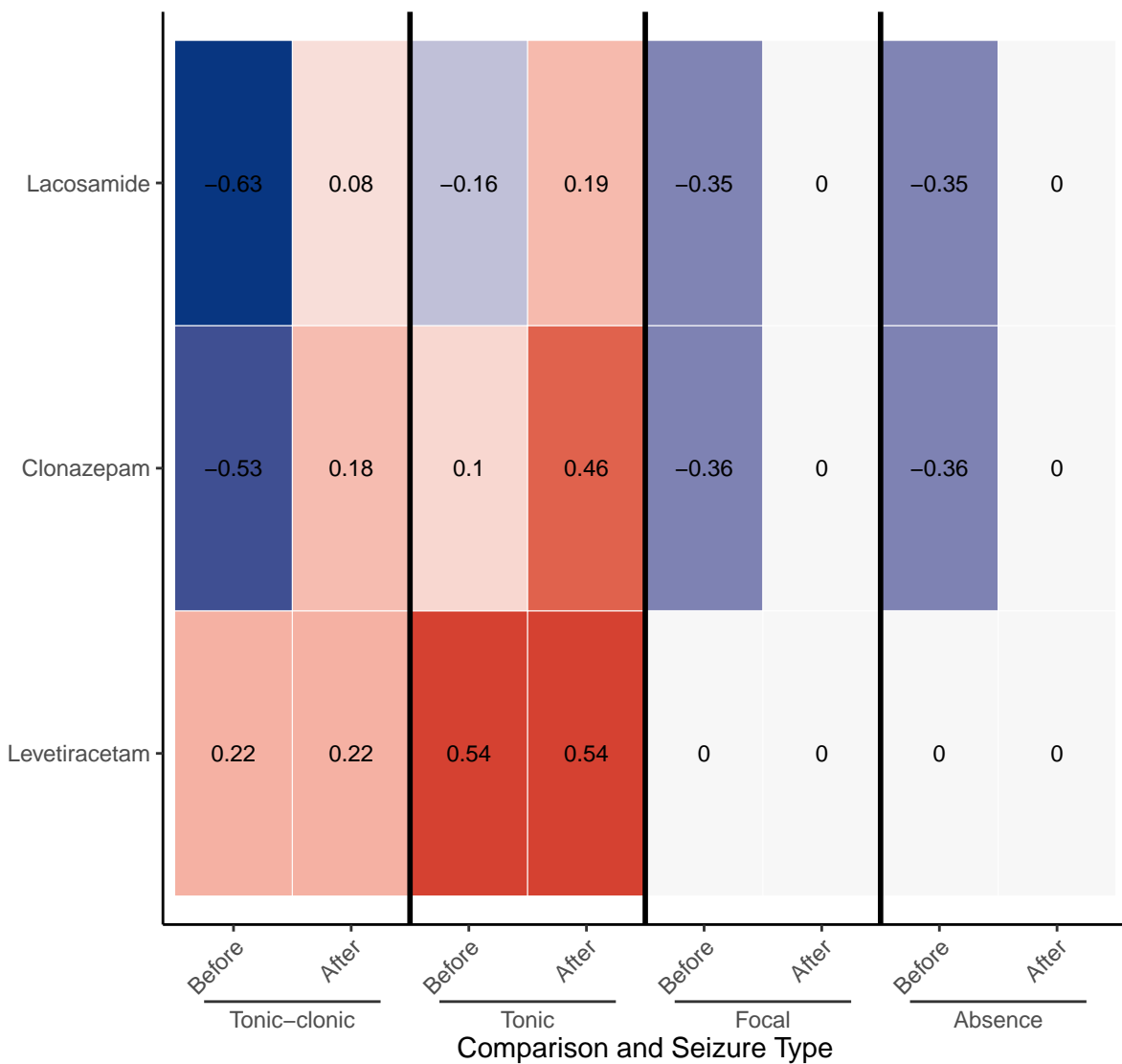
aab1bbd7-596c-4c76-b047-e859434ec997 (Registry #158) (p.Arg1617Gln)



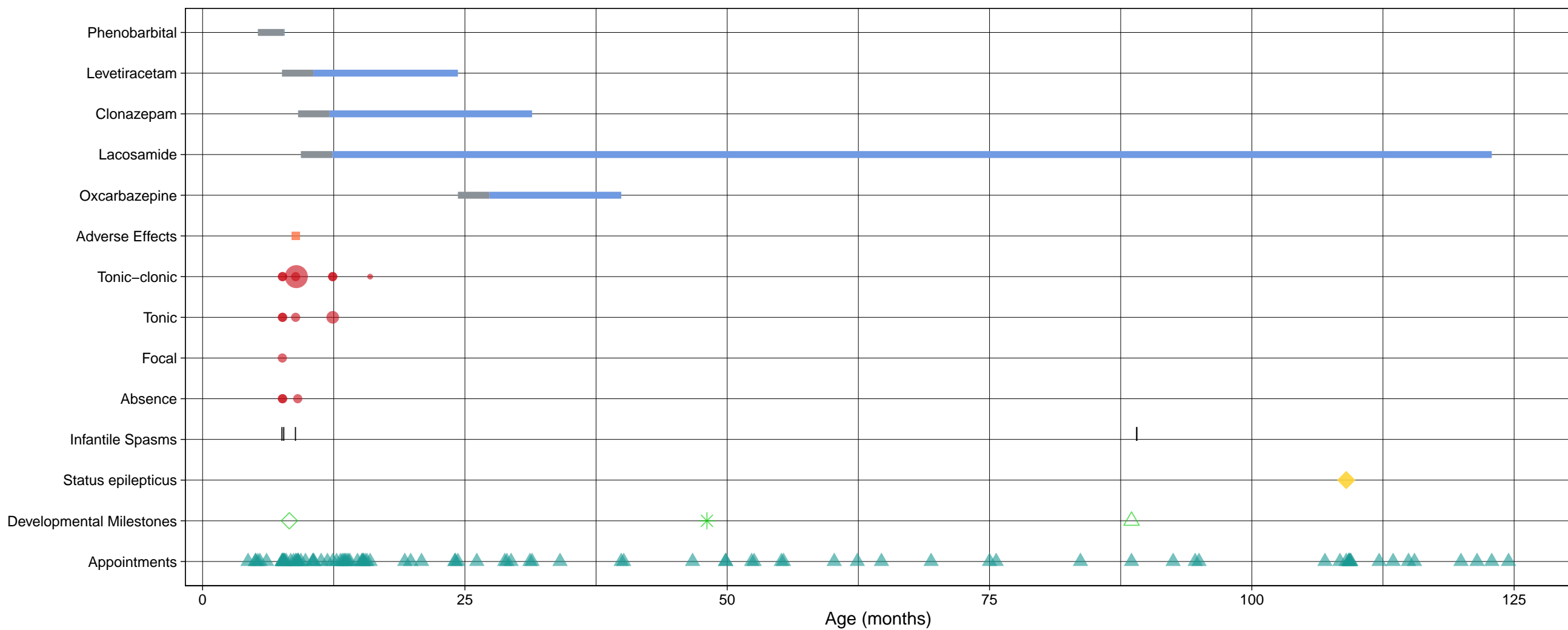
Seizure Index



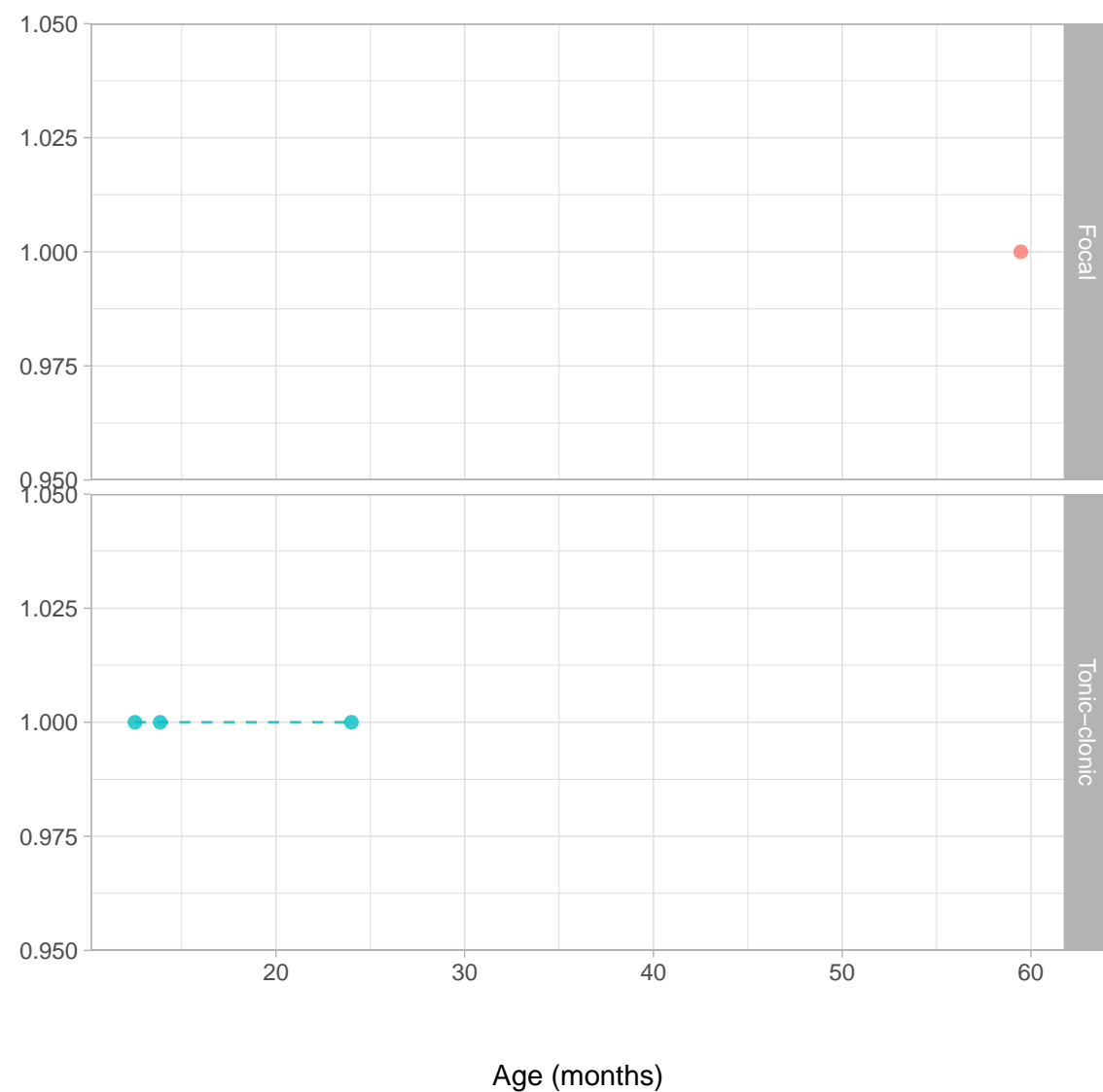
Medication



bbb8471f-f12d-499d-99aa-677ea4c77dc5 (Registry #796) (p.Arg1617Gln)



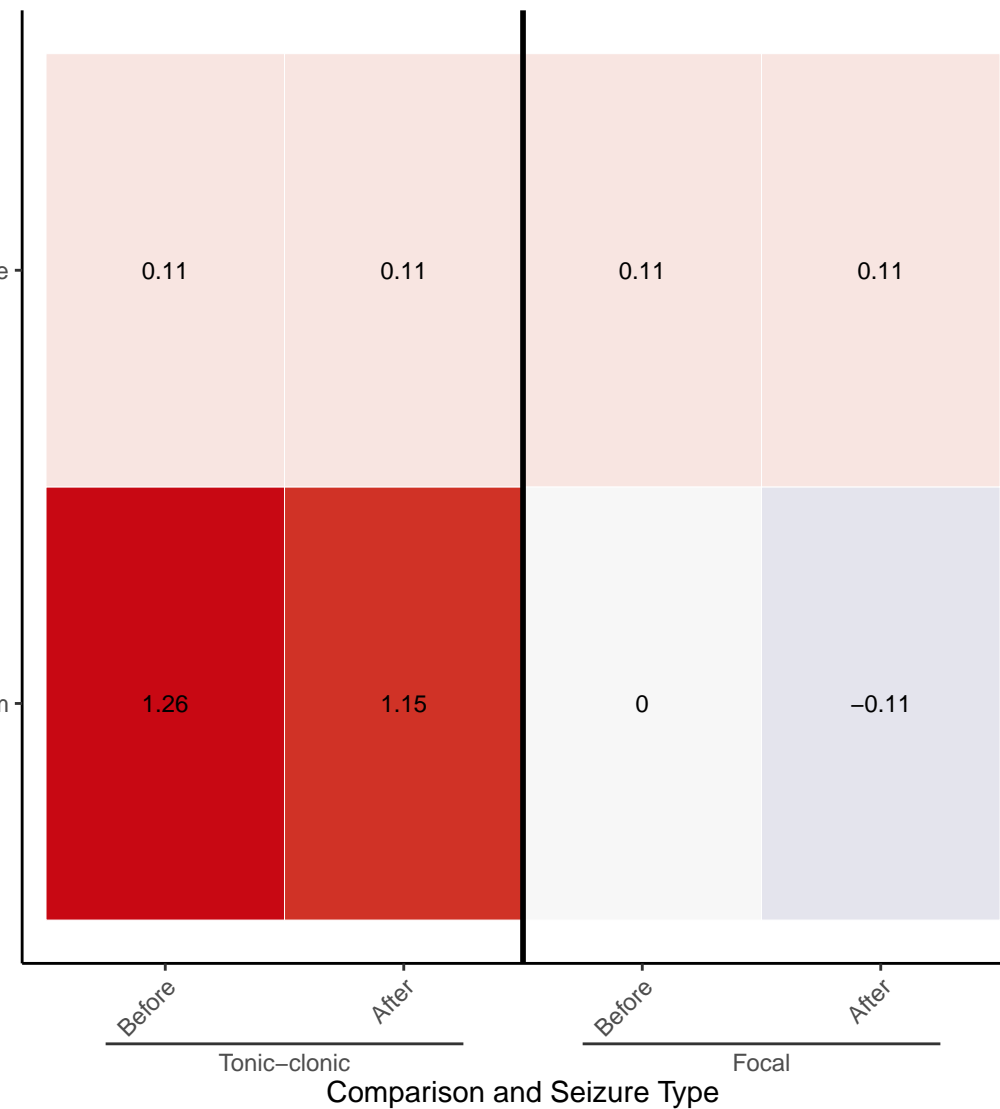
Seizure Index



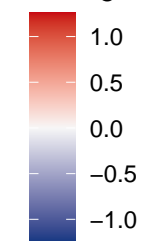
Medication

Oxcarbazepine
Levetiracetam

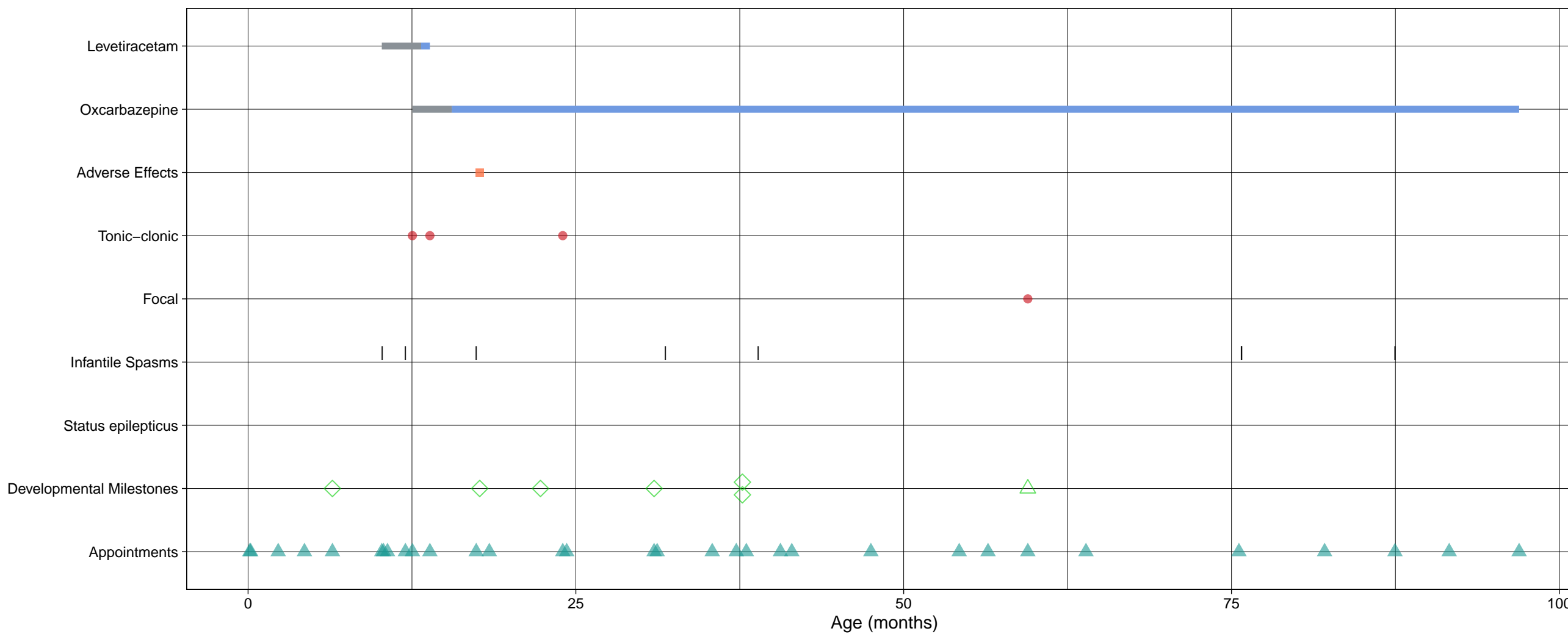
Seizure Index Comparisons



Change in Seizure Index



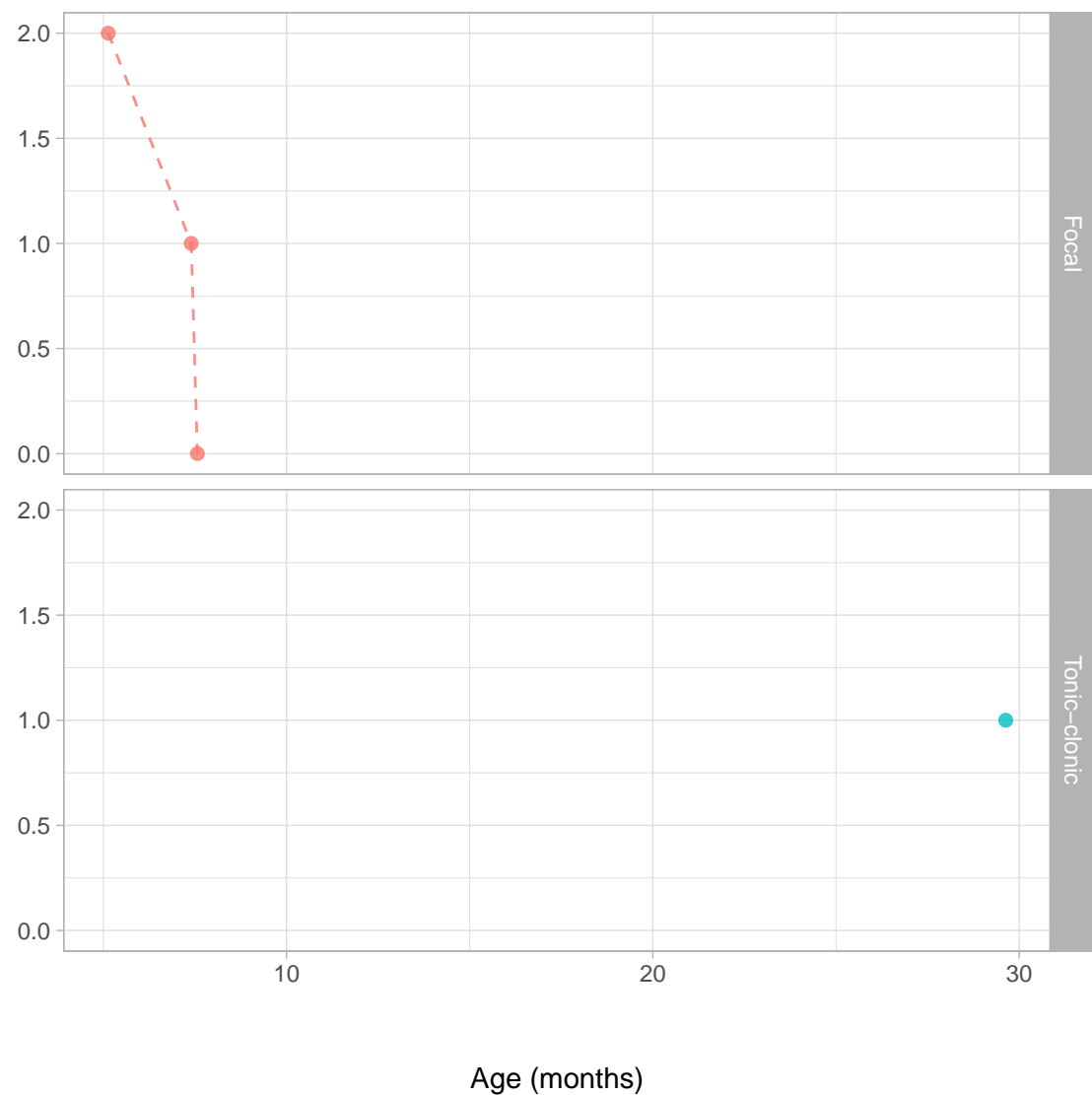
e2fee4a7-cadc-4fa1-a766-40cbe5103c71 (Registry #163) (p.Arg1617Gln)



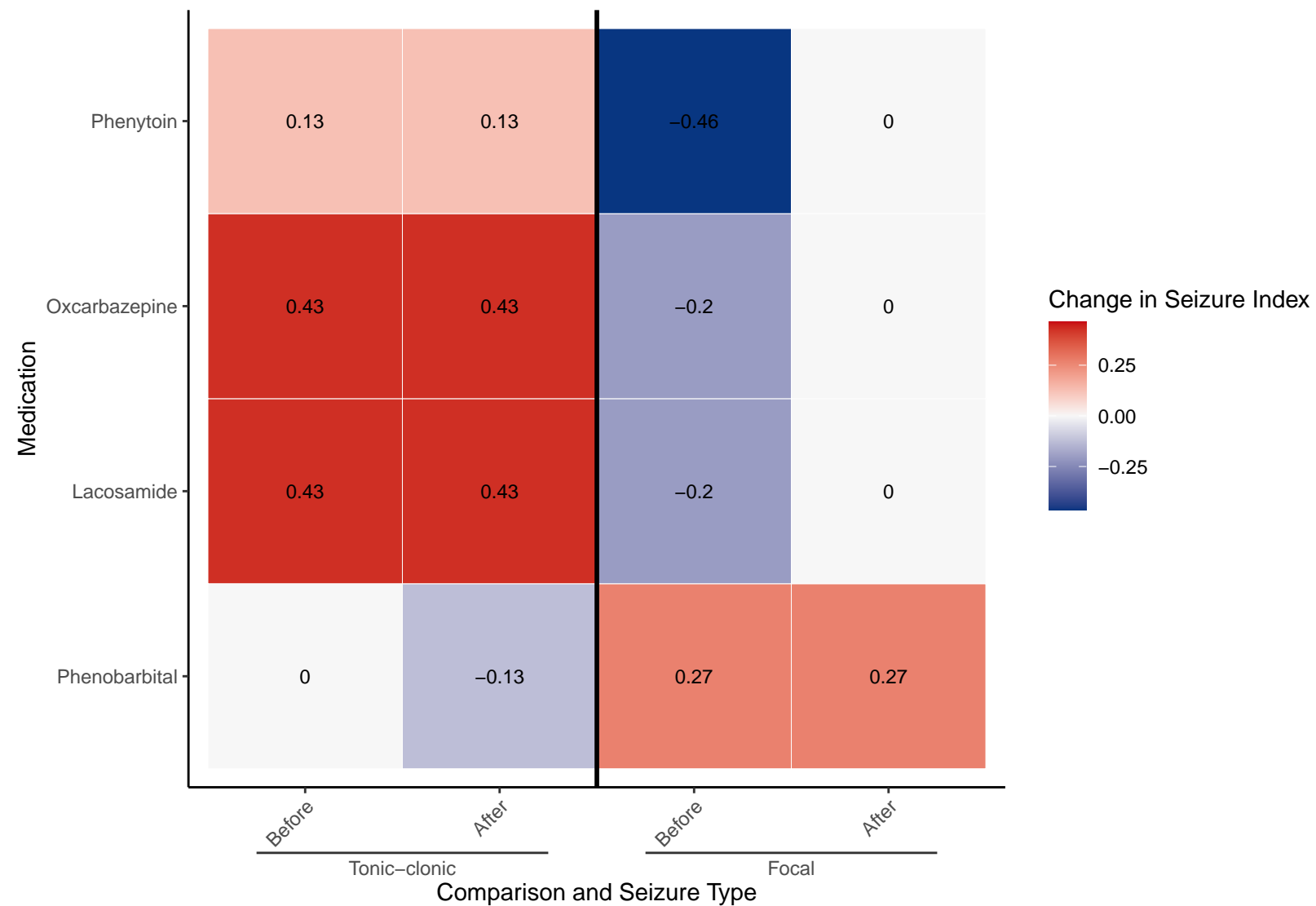
Developmental Domain

- Gross Motor Development
- Language Development

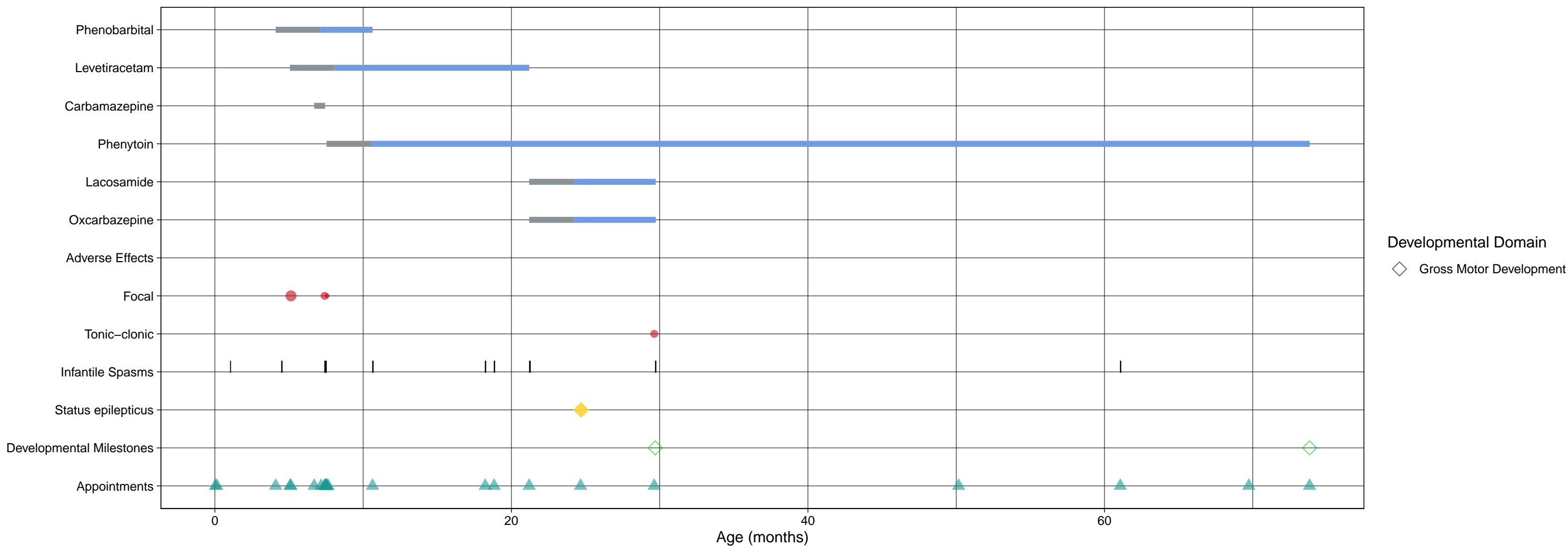
Seizure Index



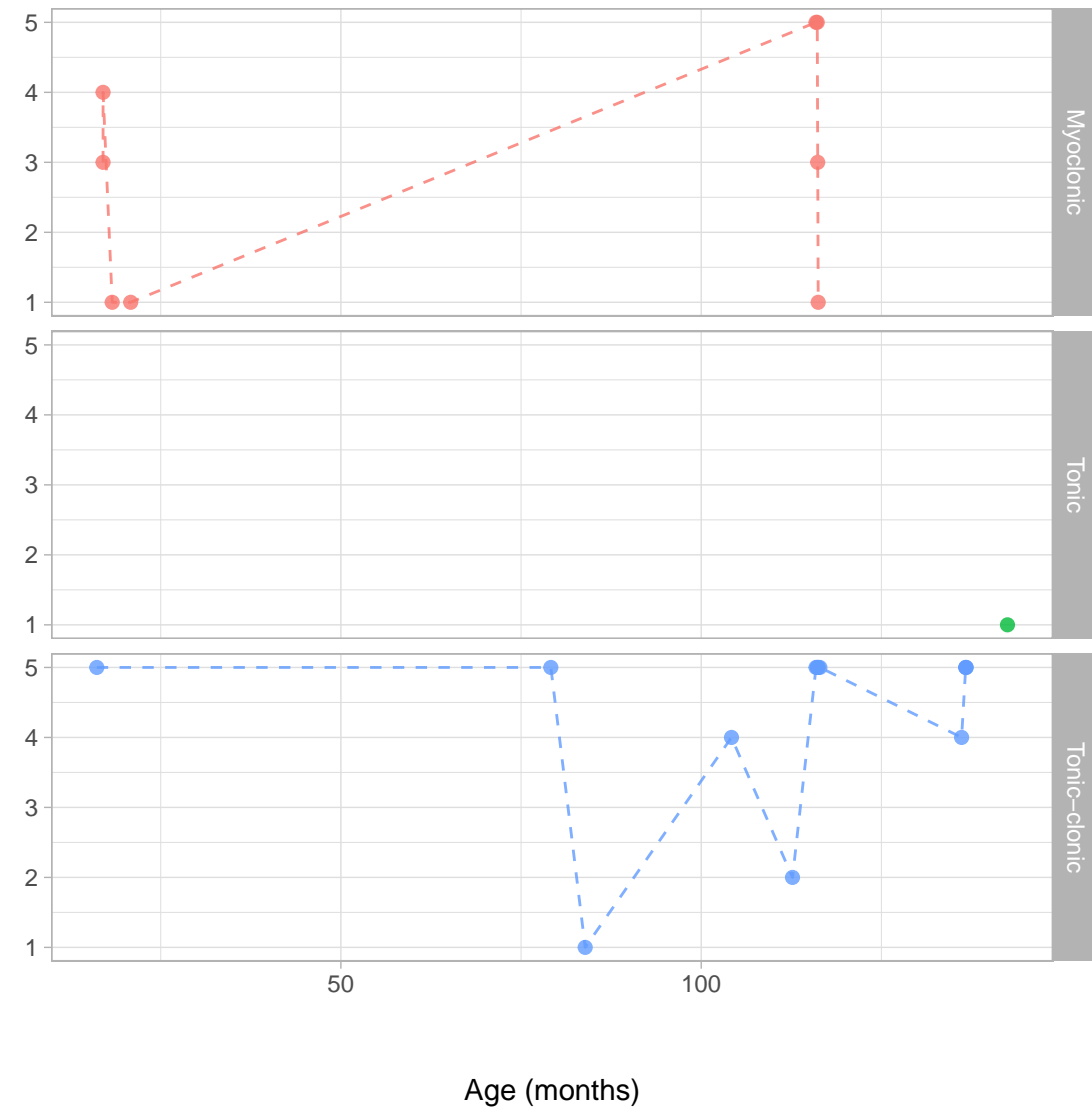
Seizure Index Comparisons



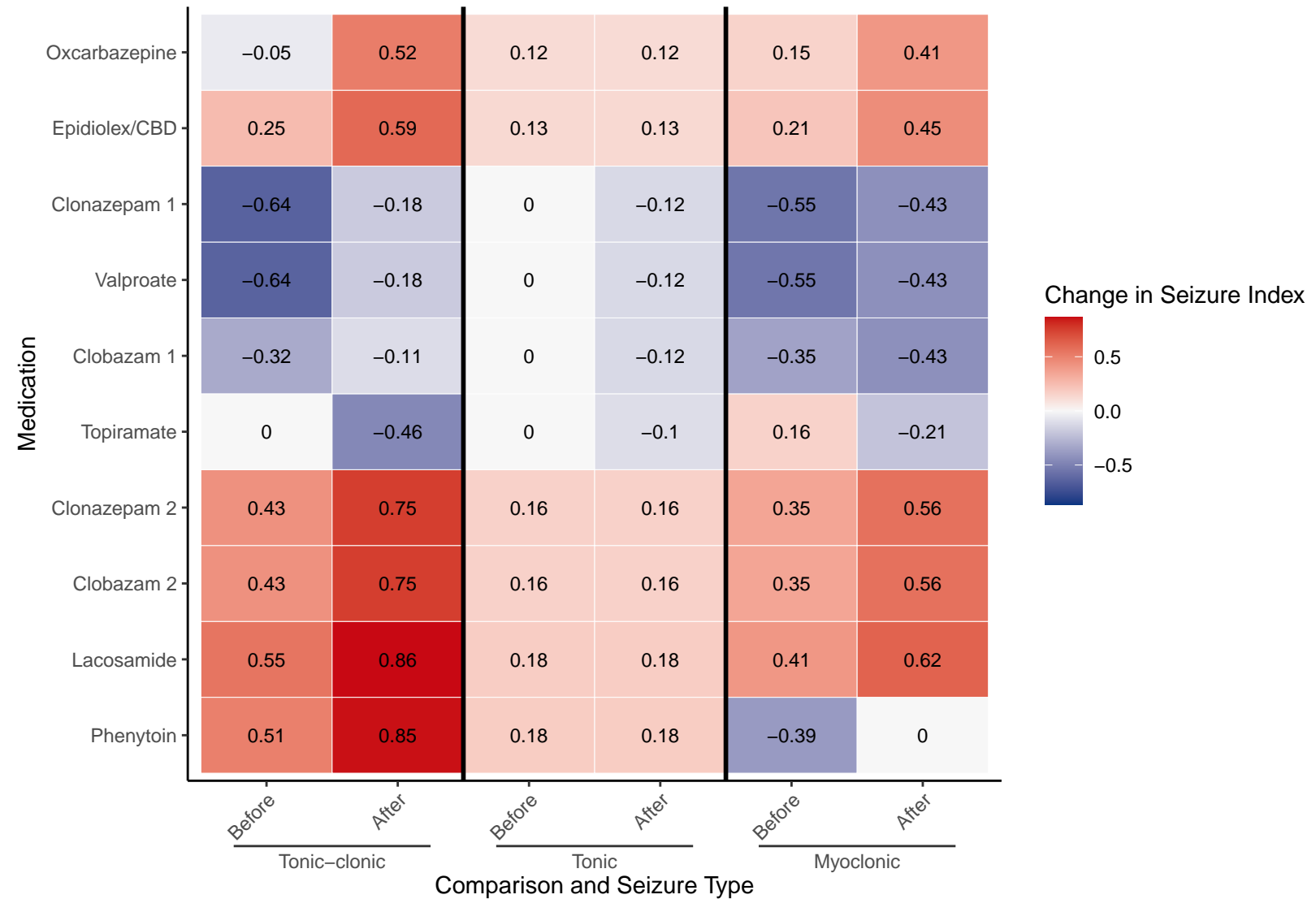
44720703-57ab-4c29-ab8b-3e1a8200a096 (Registry #76) (p.Leu1628Trp)



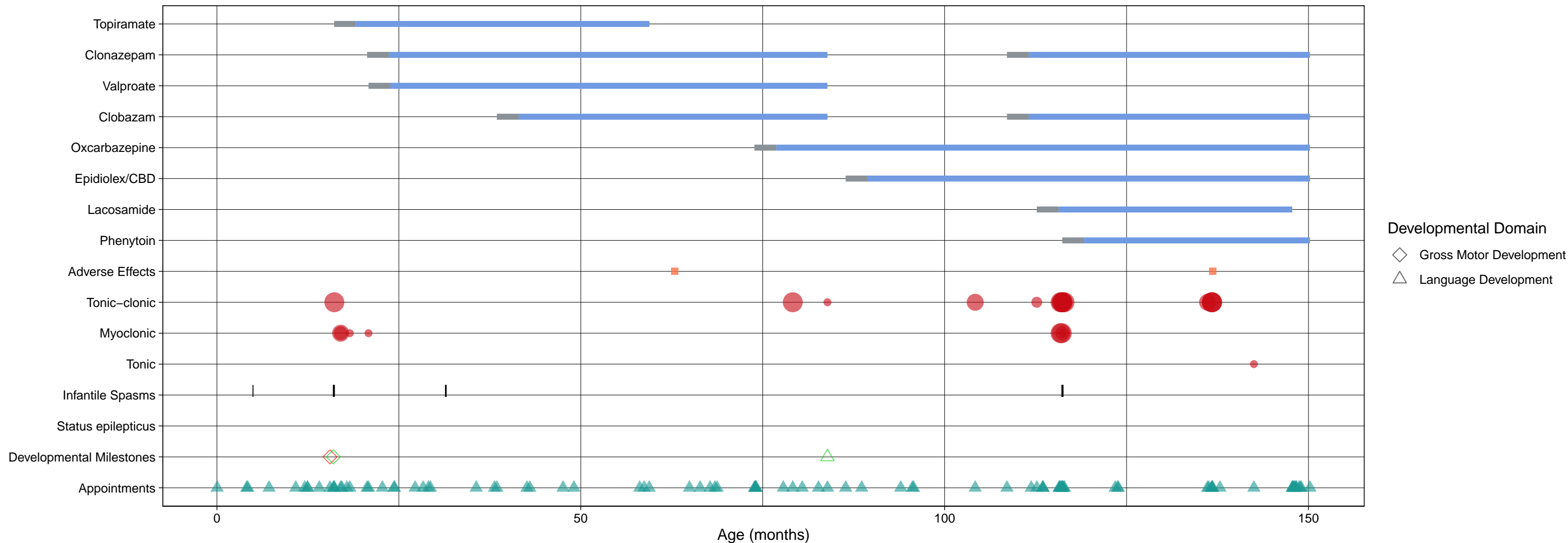
Seizure Index



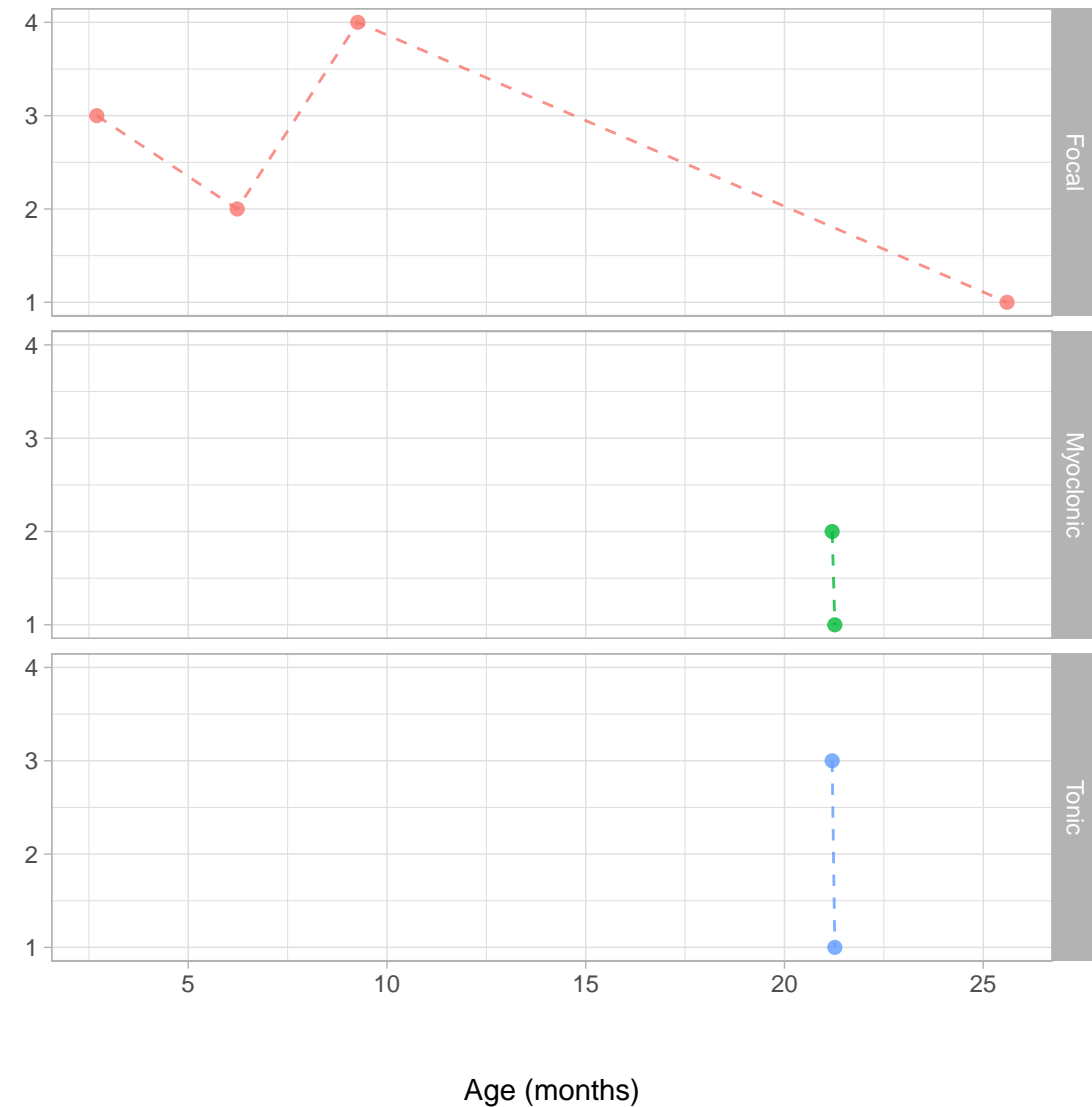
Seizure Index Comparisons



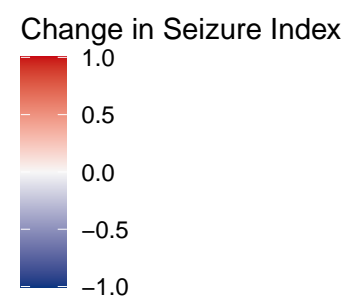
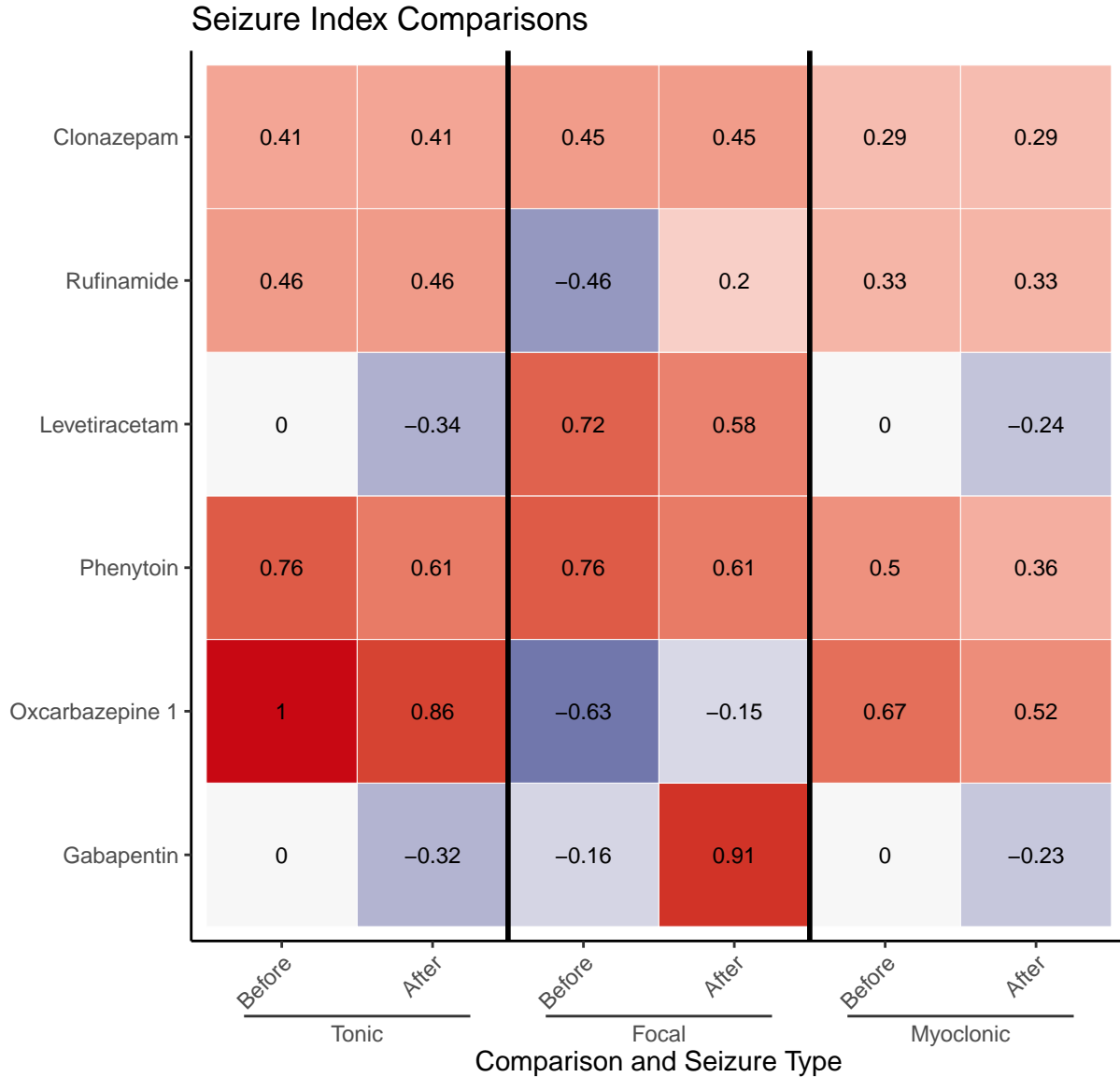
422f6362-43ef-4e55-95f5-a4fb6ee50ff4 (Registry #147) (p.Leu1630Pro)



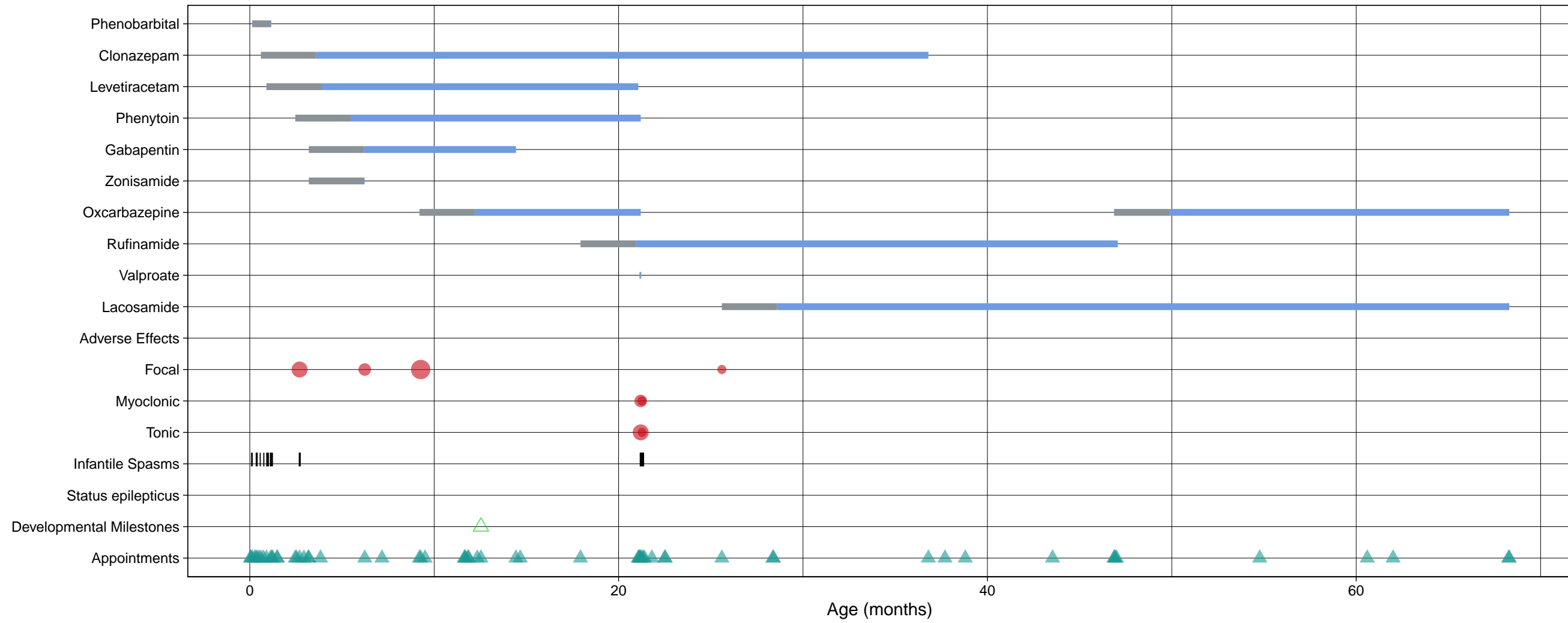
Seizure Index



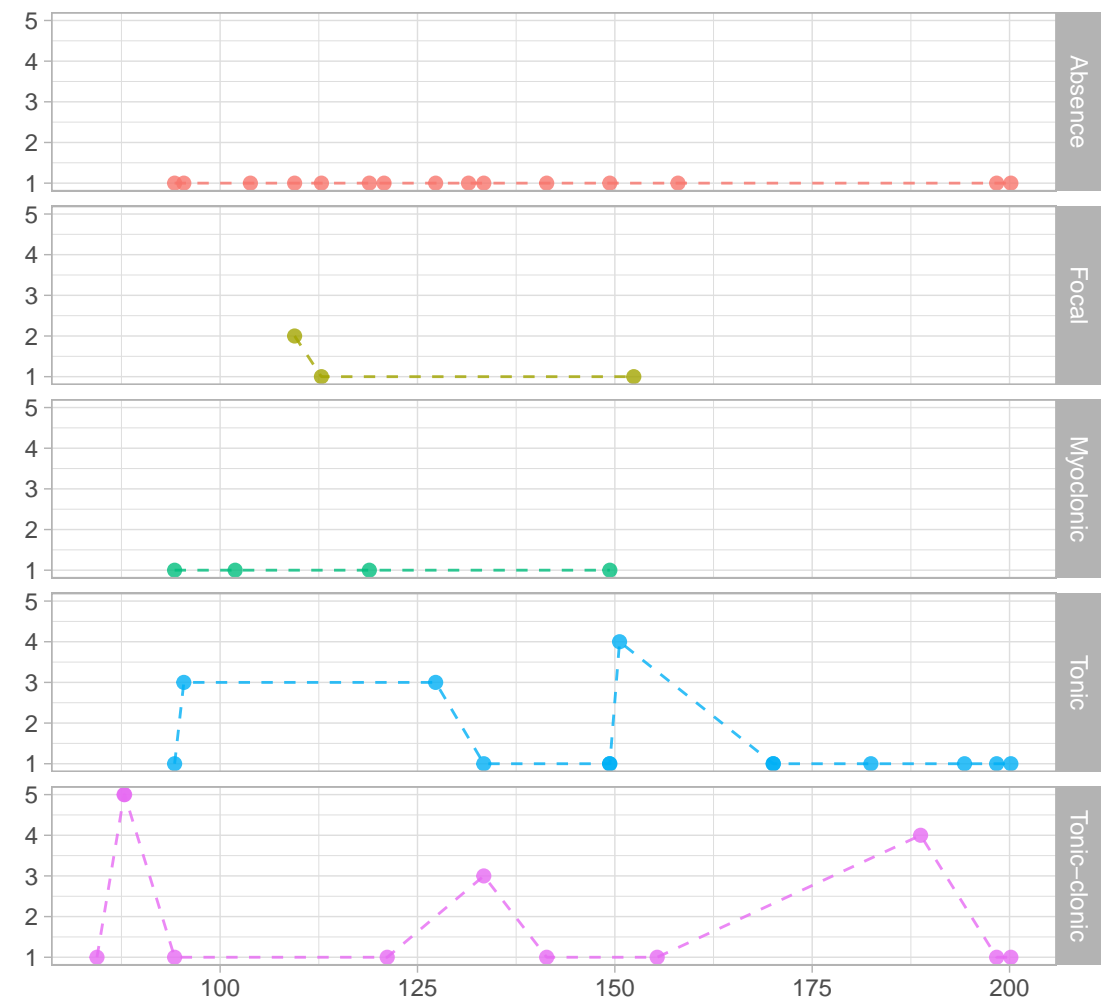
Medication



c76ad8fb-19bc-47ad-8e87-c9c9ae1fee82 (Registry #224) (p.Val1757Ile)

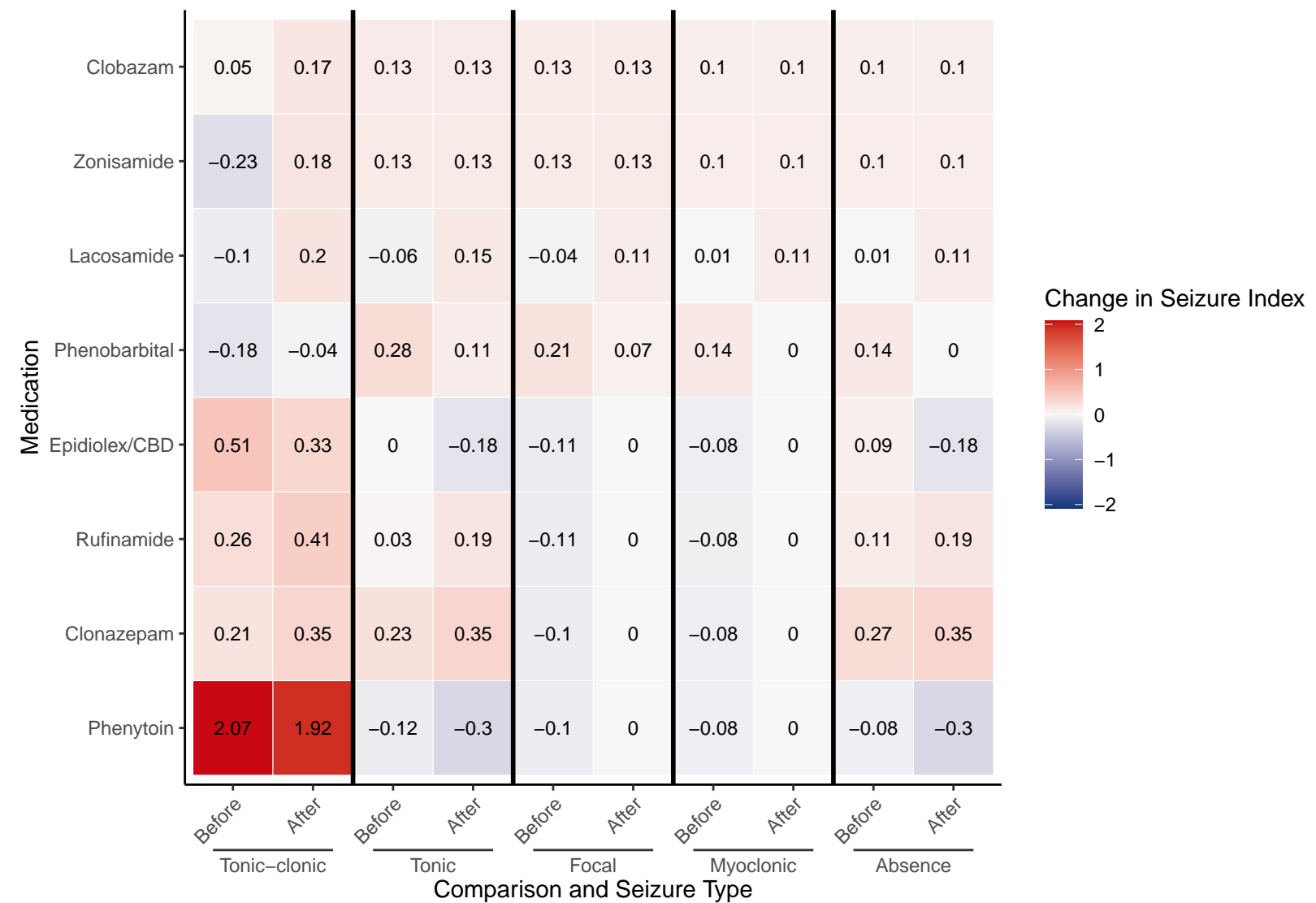


Seizure Index

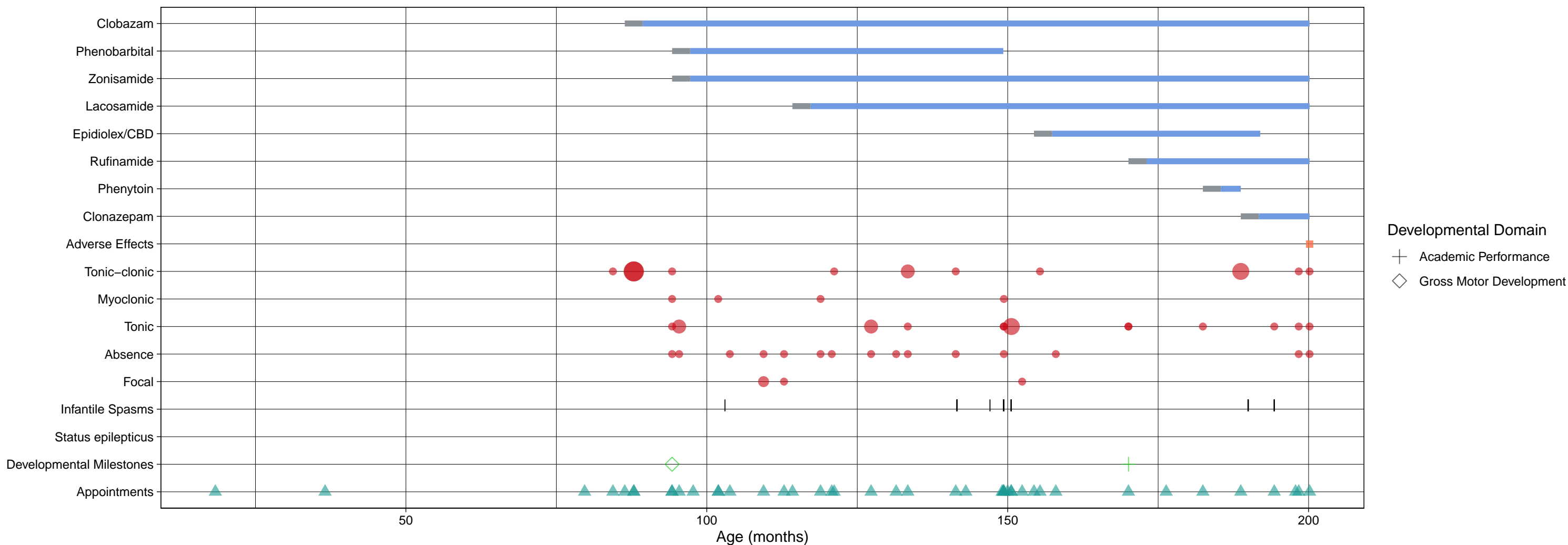


Age (months)

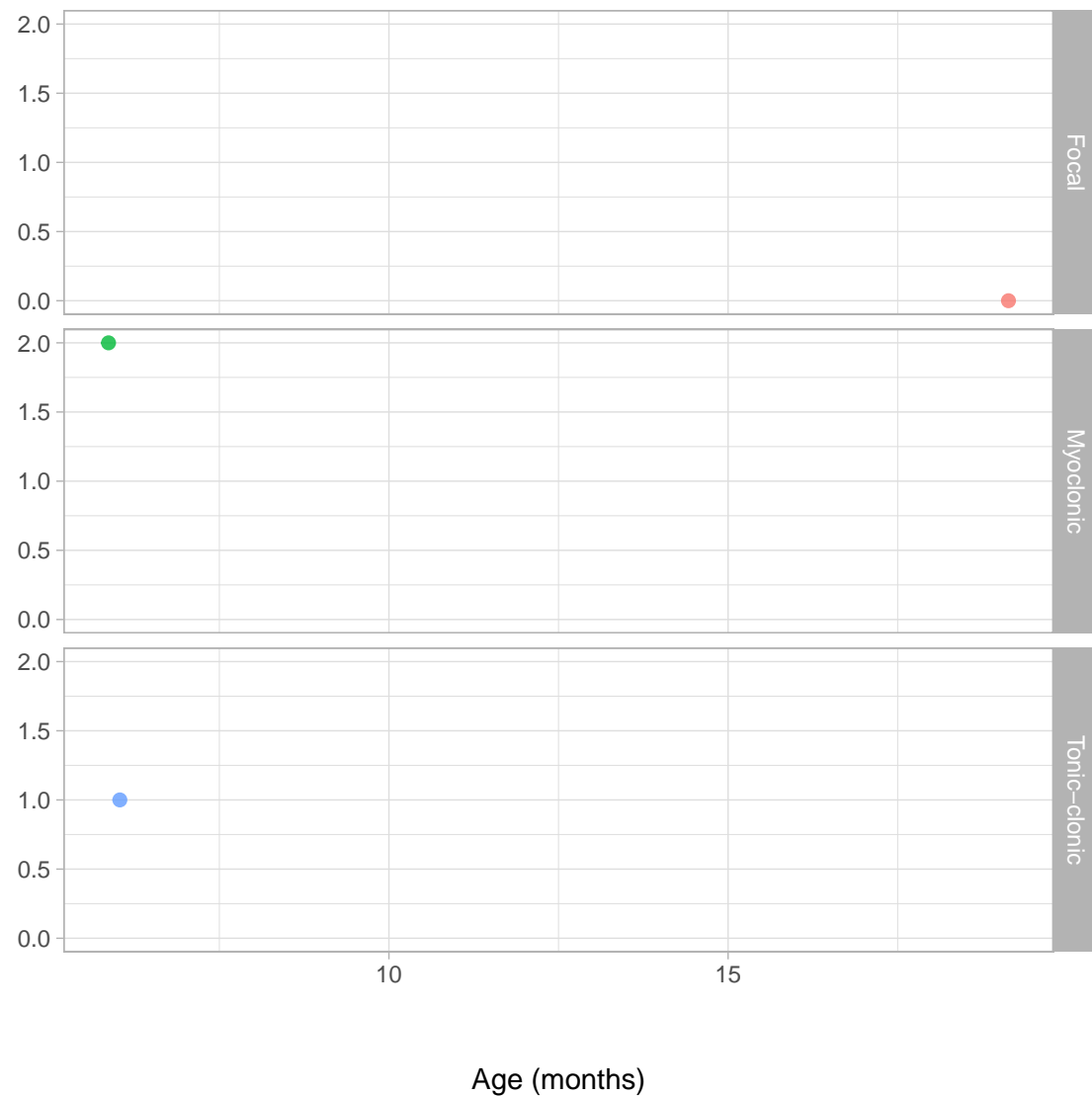
Seizure Index Comparisons



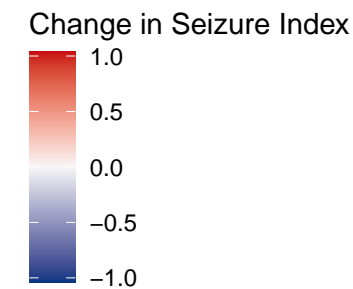
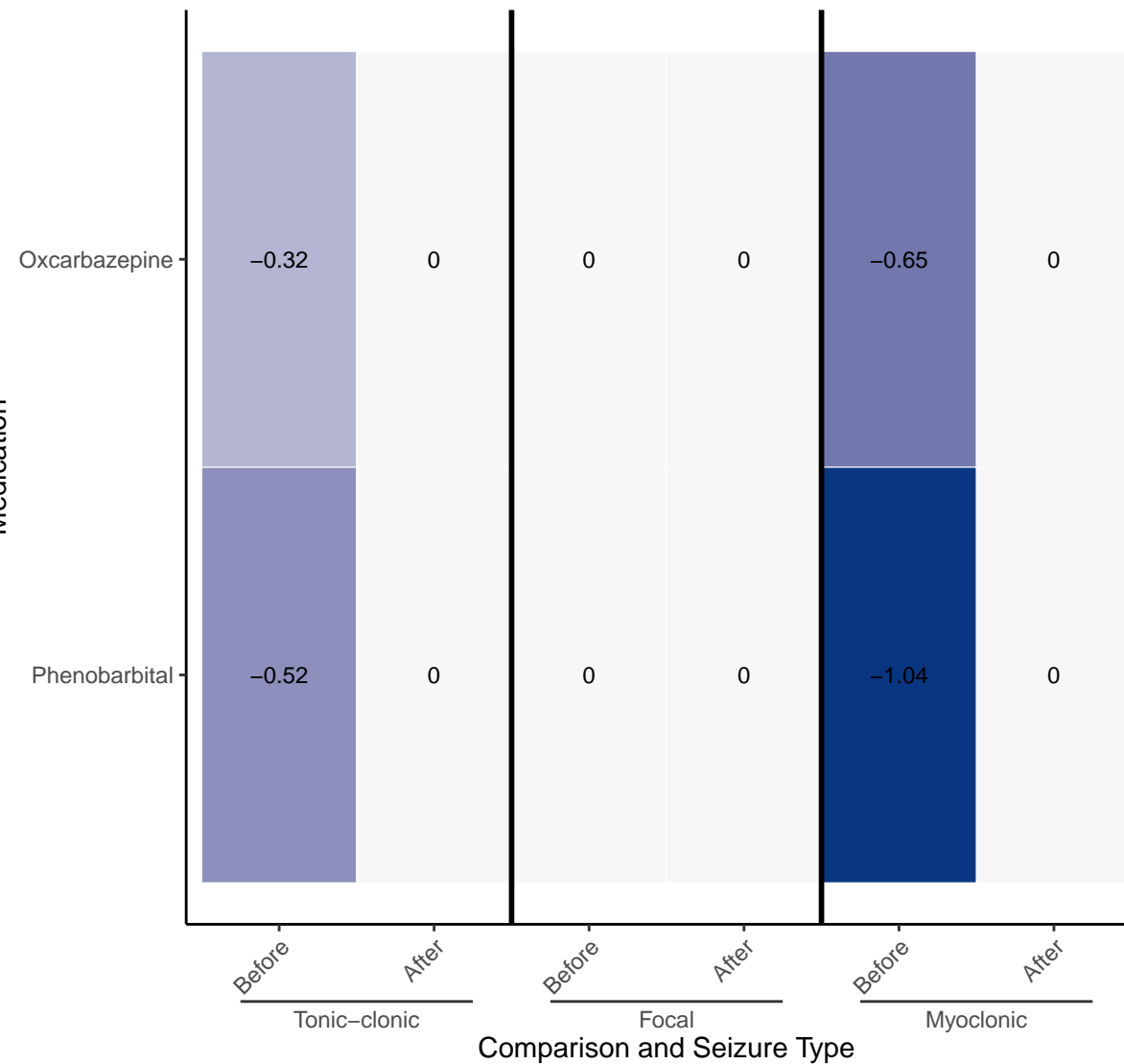
ce45fc4e-0416-4001-895c-6275a532d2e6 (Registry #1317) (p.Ala1809Glu)



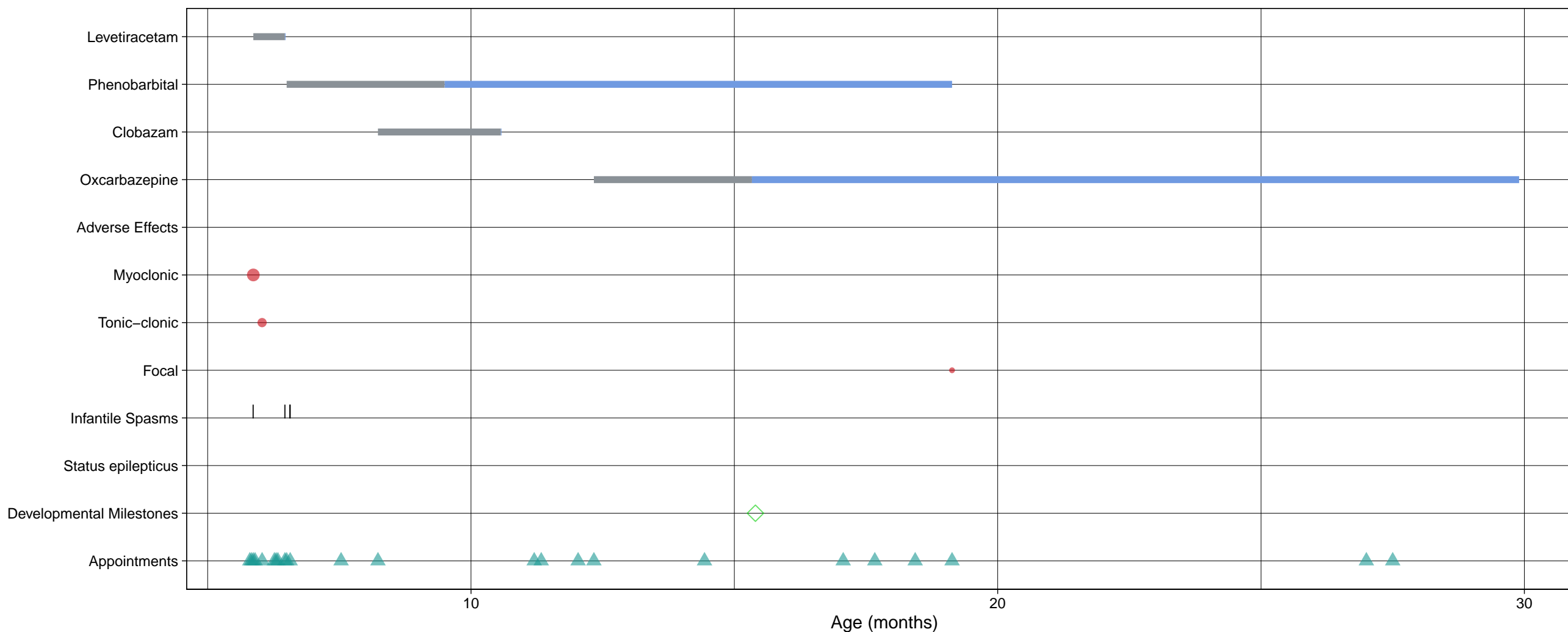
Seizure Index



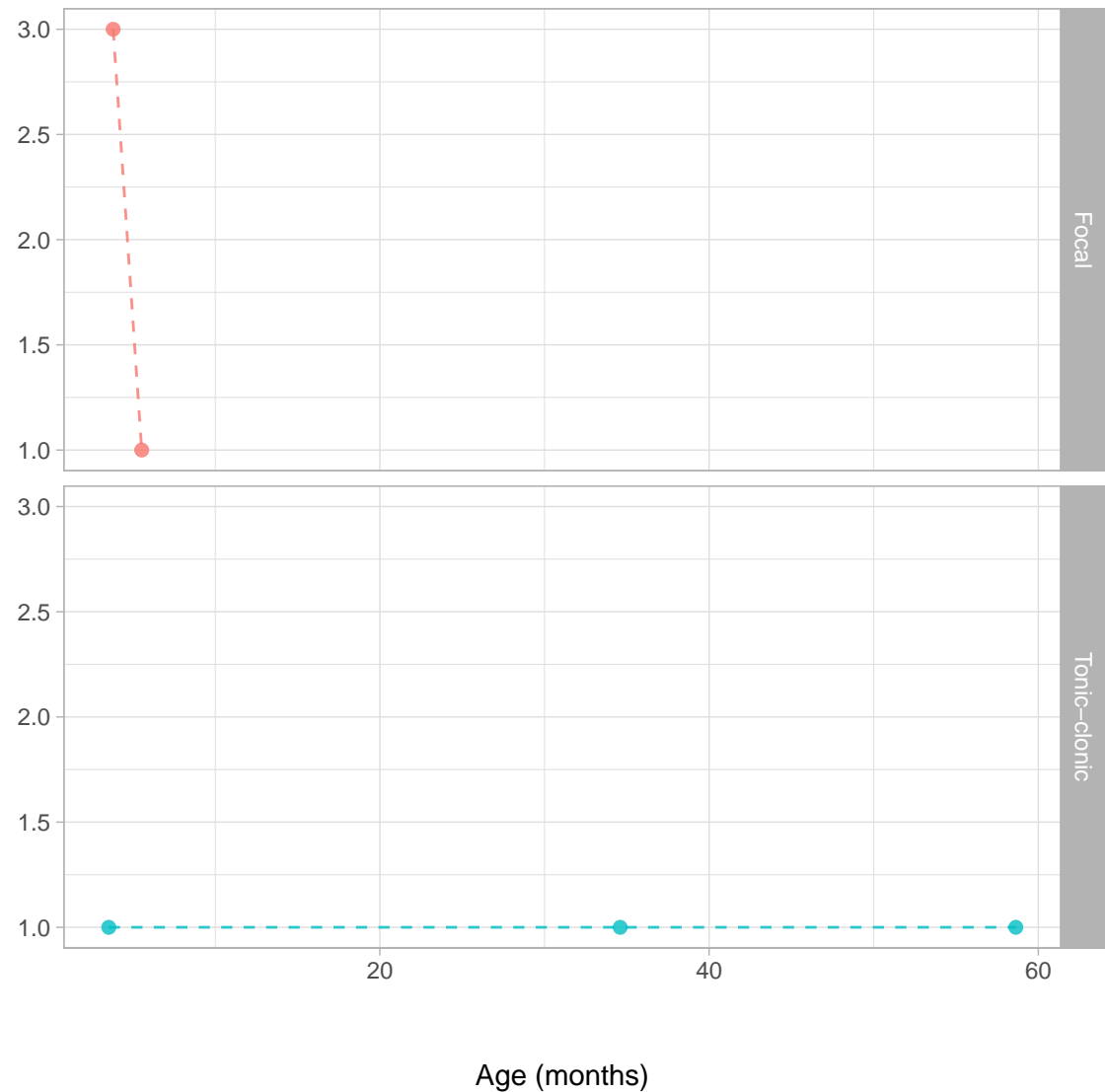
Medication



37efebcd-4599-4360-8950-bd522cccec27 (Registry #217) (p.Asp1846Glu)



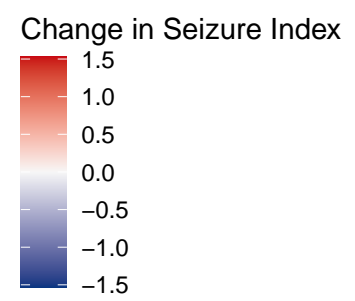
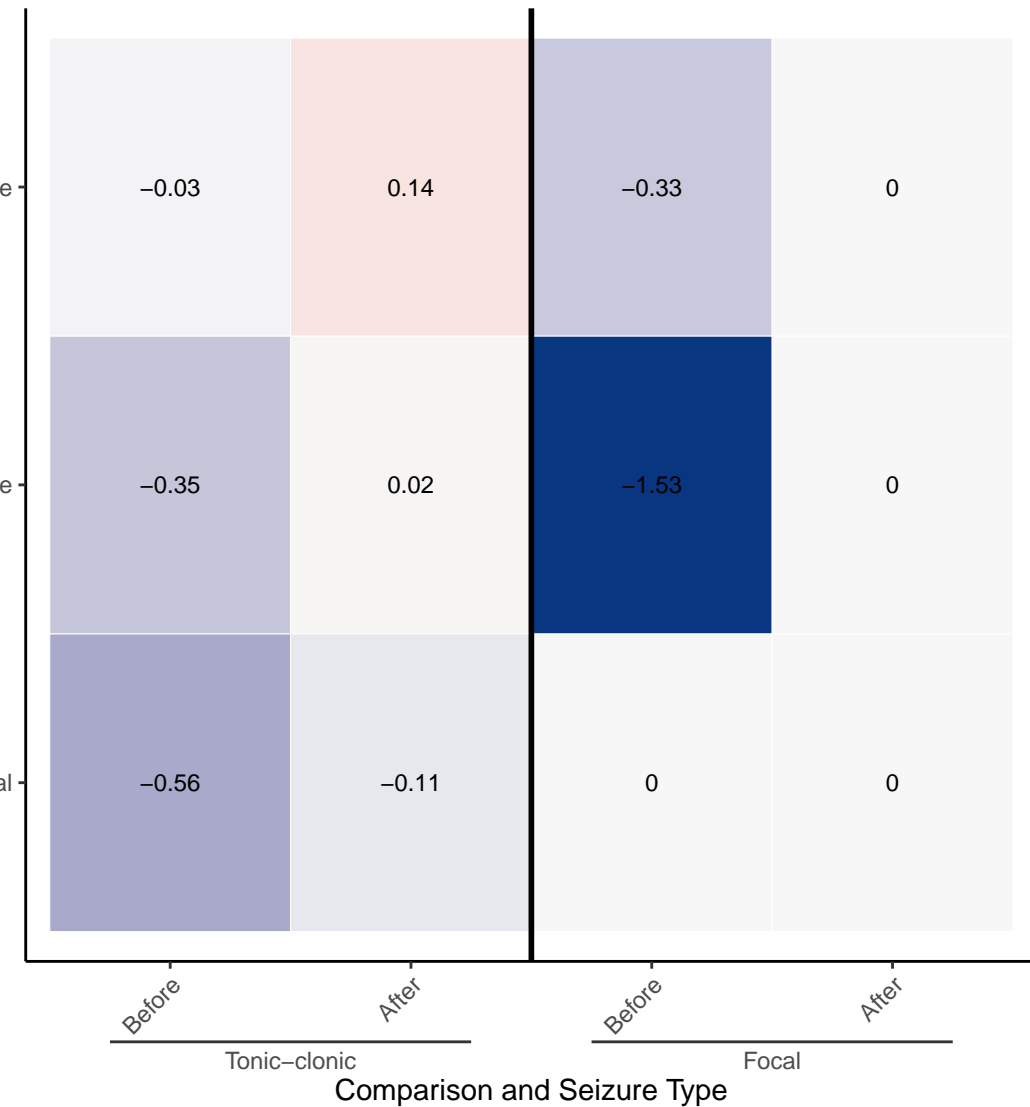
Seizure Index



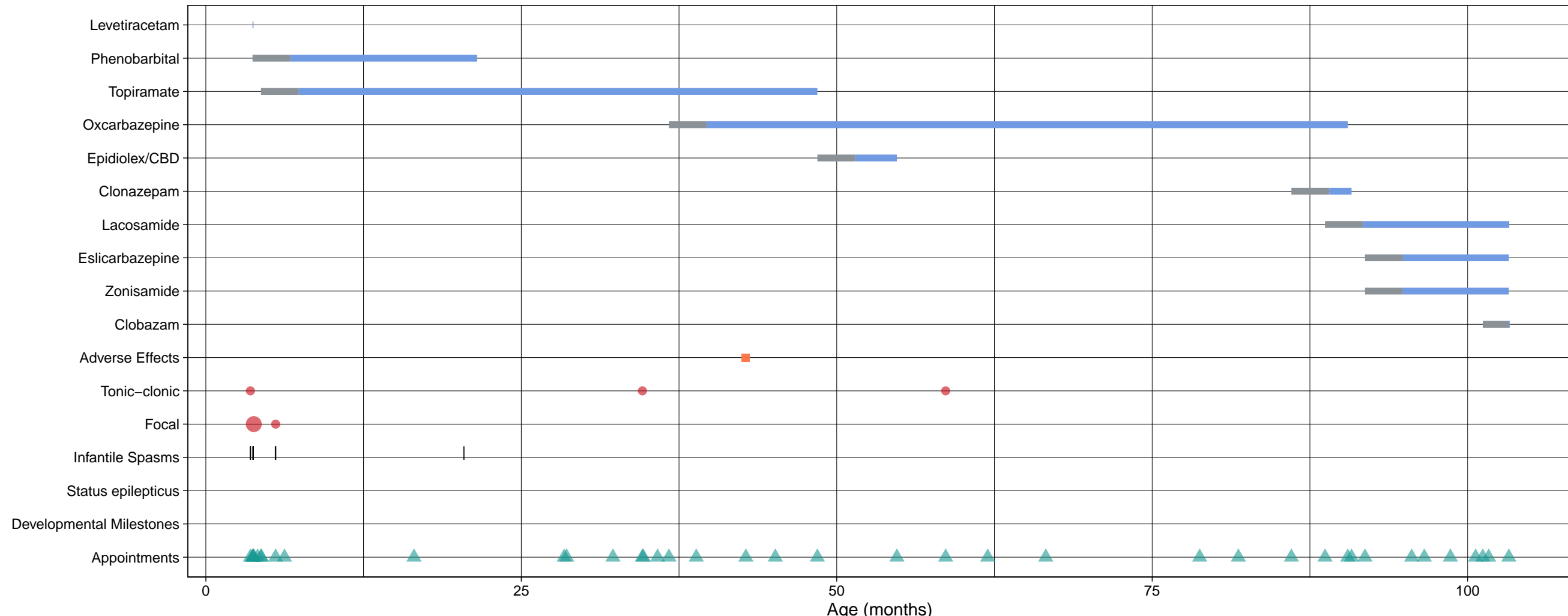
Medication

Oxcarbazepine
Topiramate
Phenobarbital

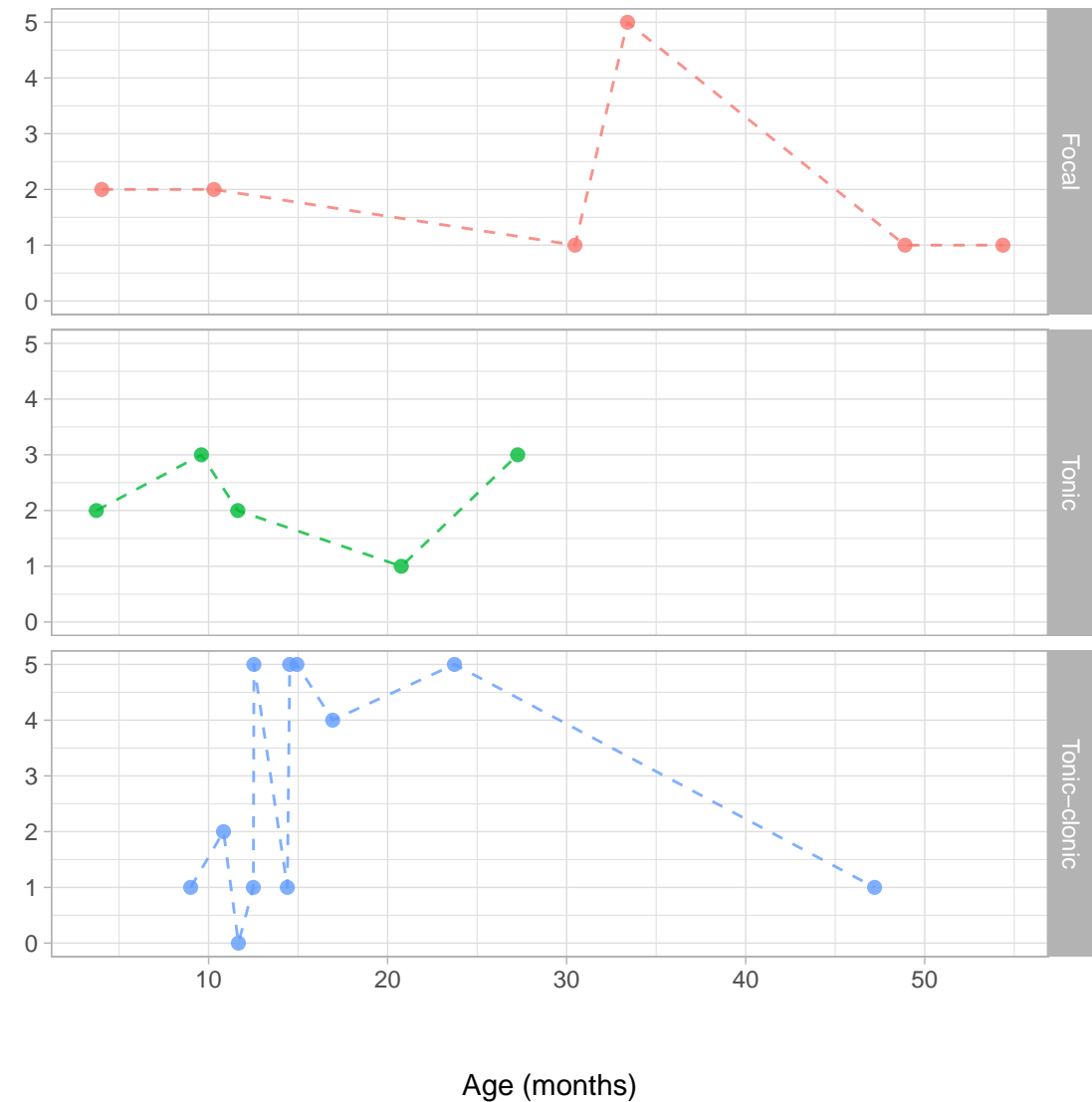
Seizure Index Comparisons



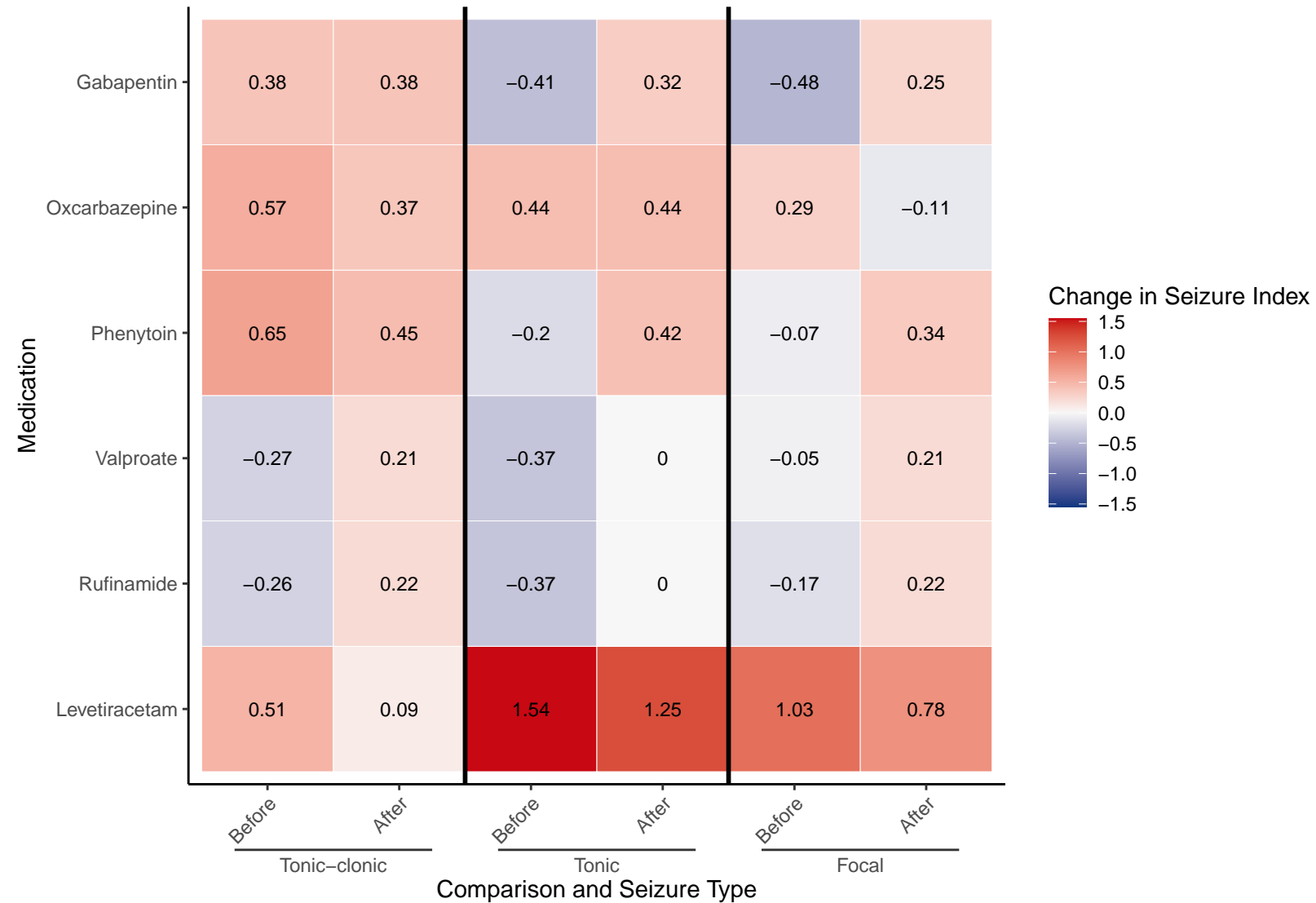
d04c1f7a-f357-47d5-8e41-4d535e49fa4a (Registry #13) (p.Thr1852Ile)



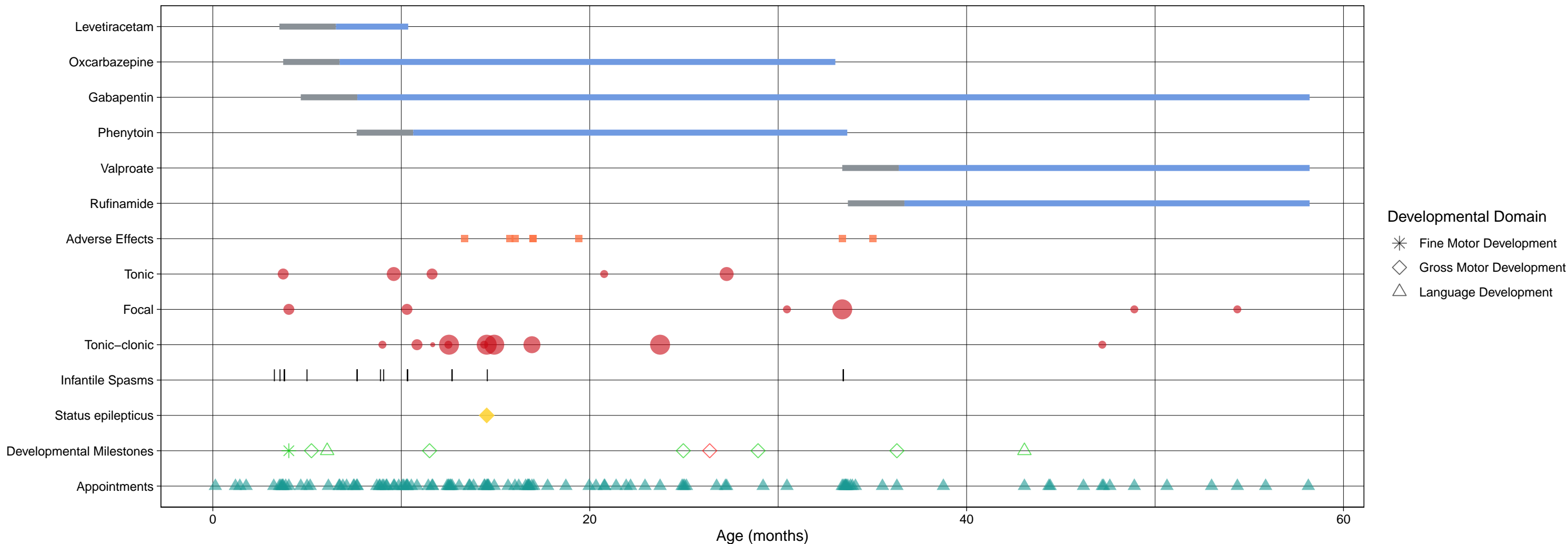
Seizure Index



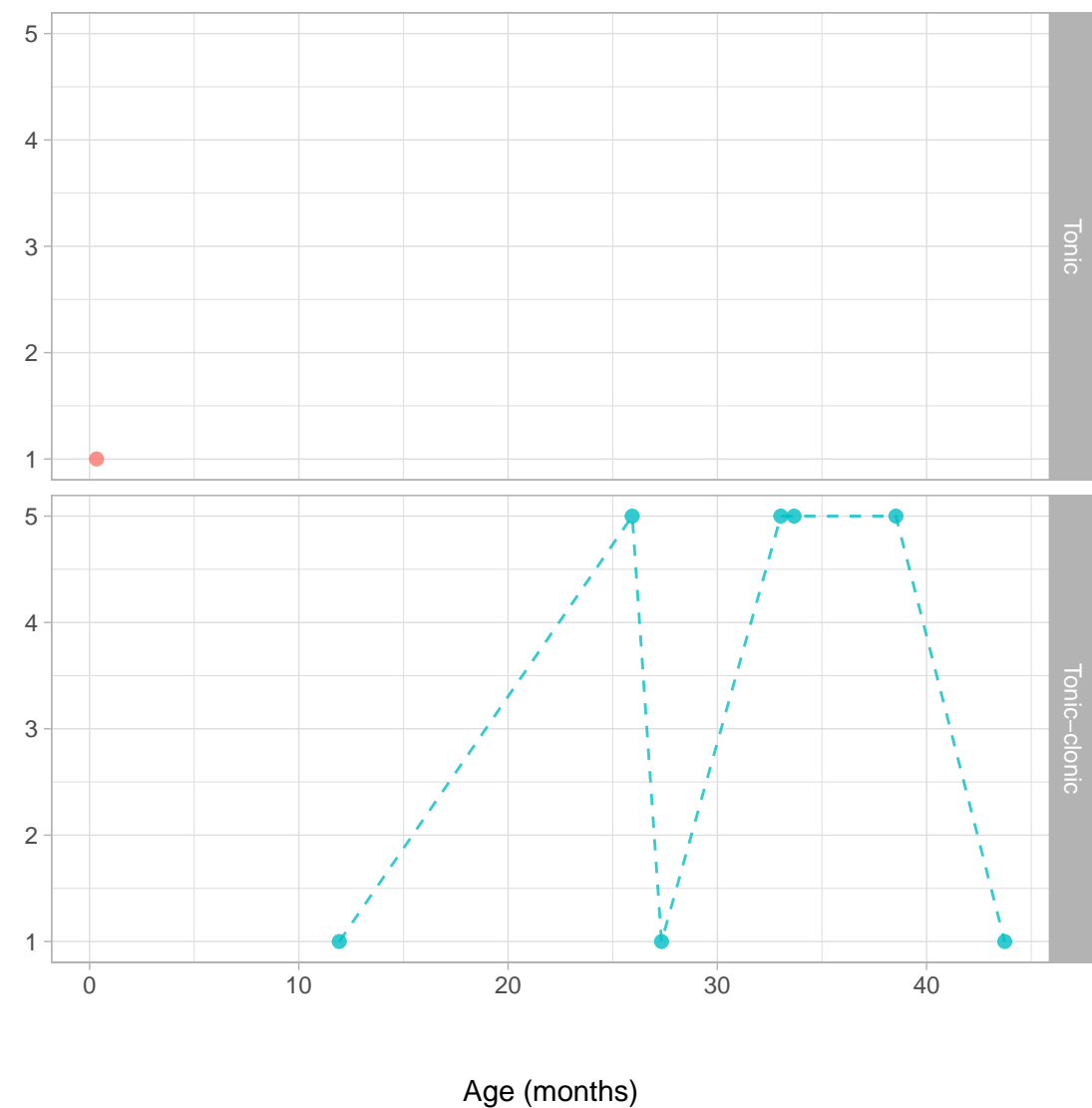
Seizure Index Comparisons



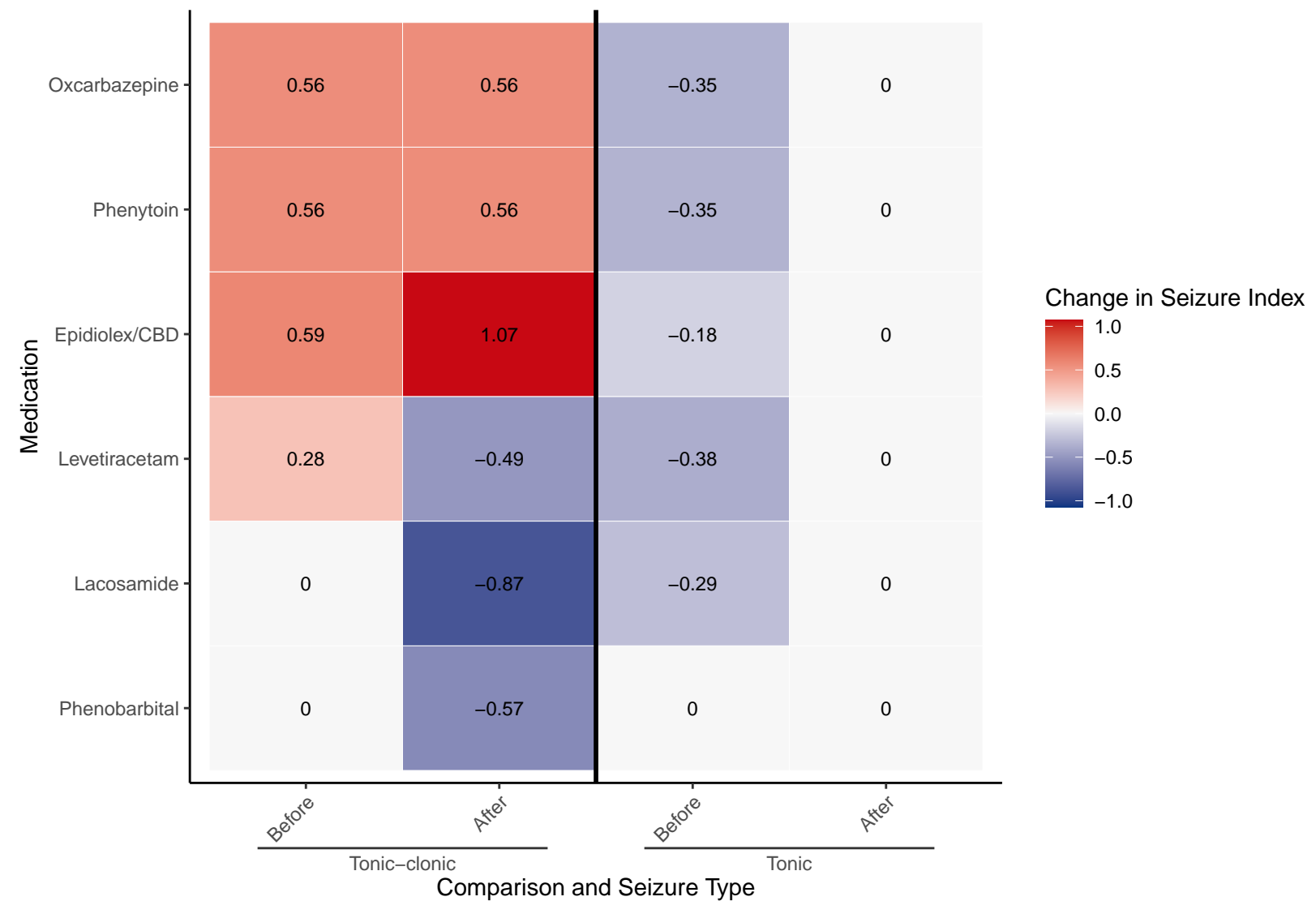
12a26181-f80d-4993-a2af-1e3019d4ec95 (Registry #282) (p.Arg1872Trp)



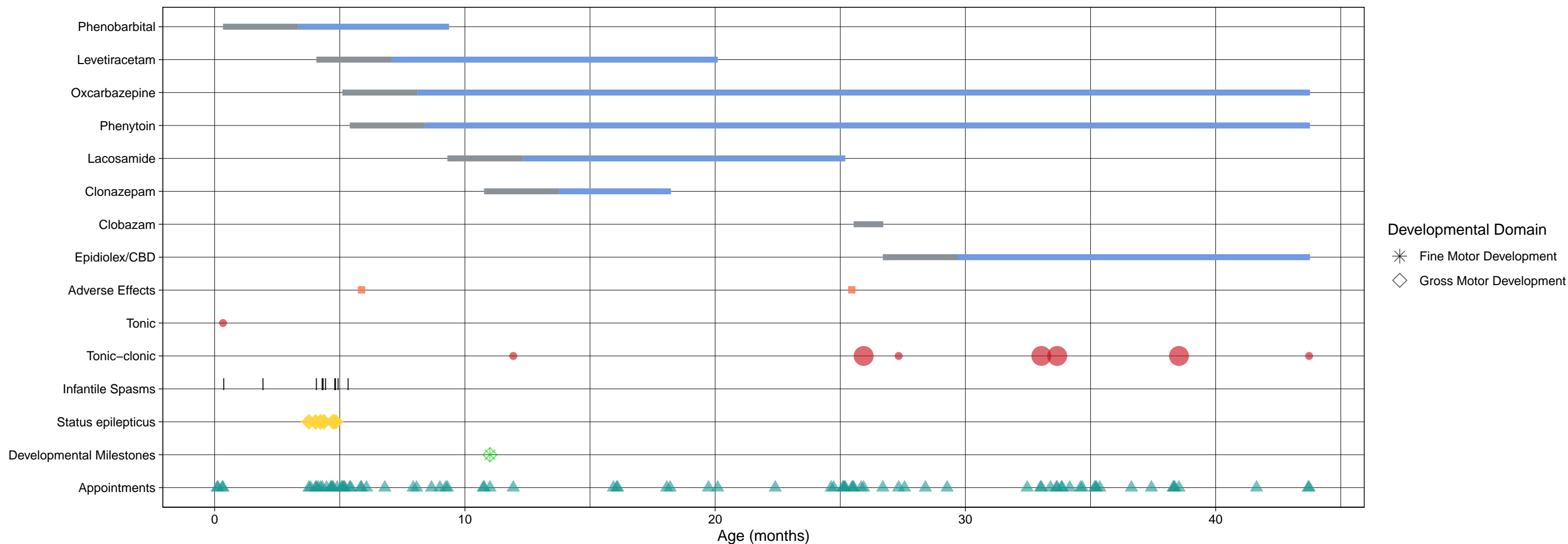
Seizure Index



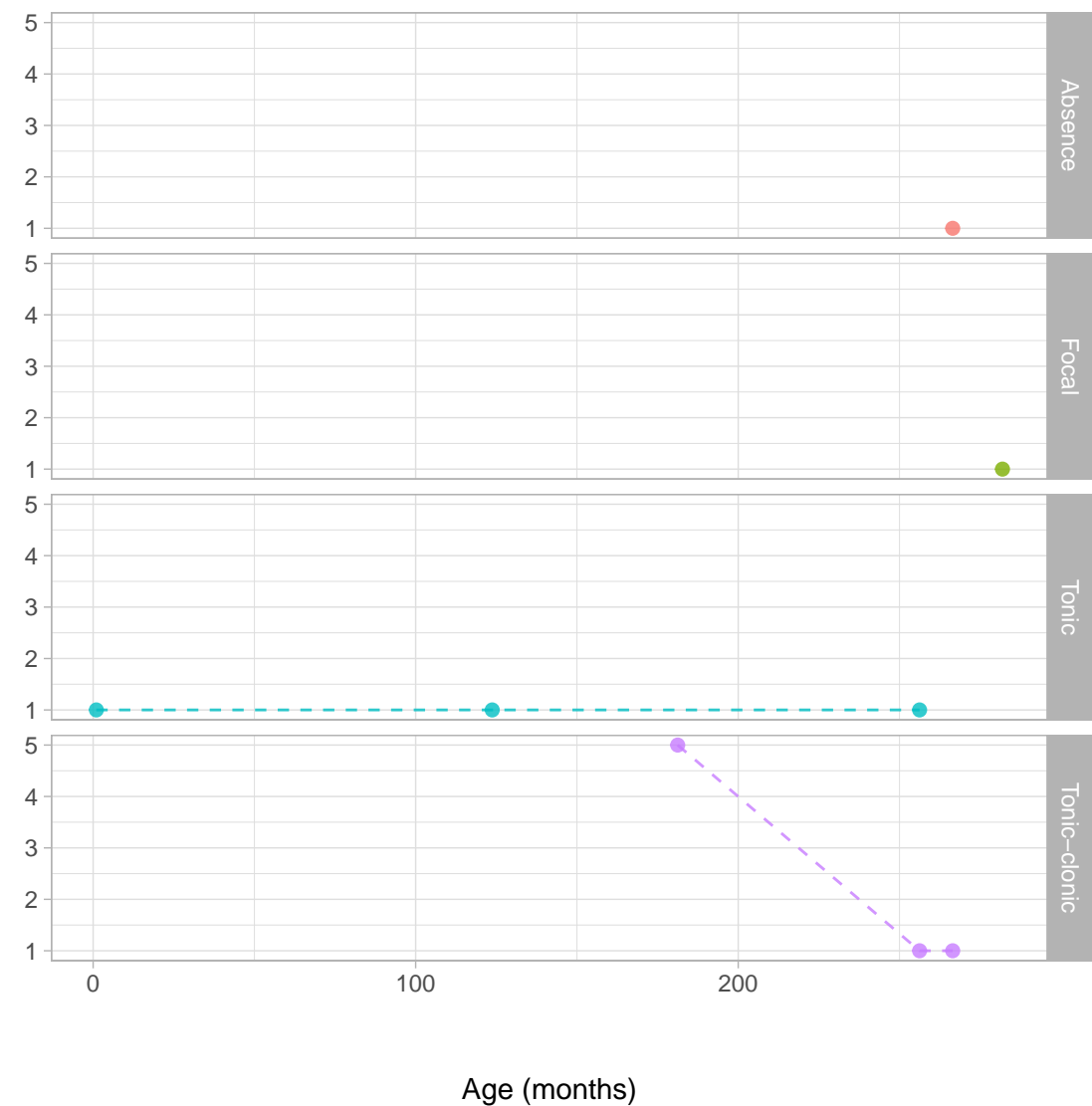
Seizure Index Comparisons



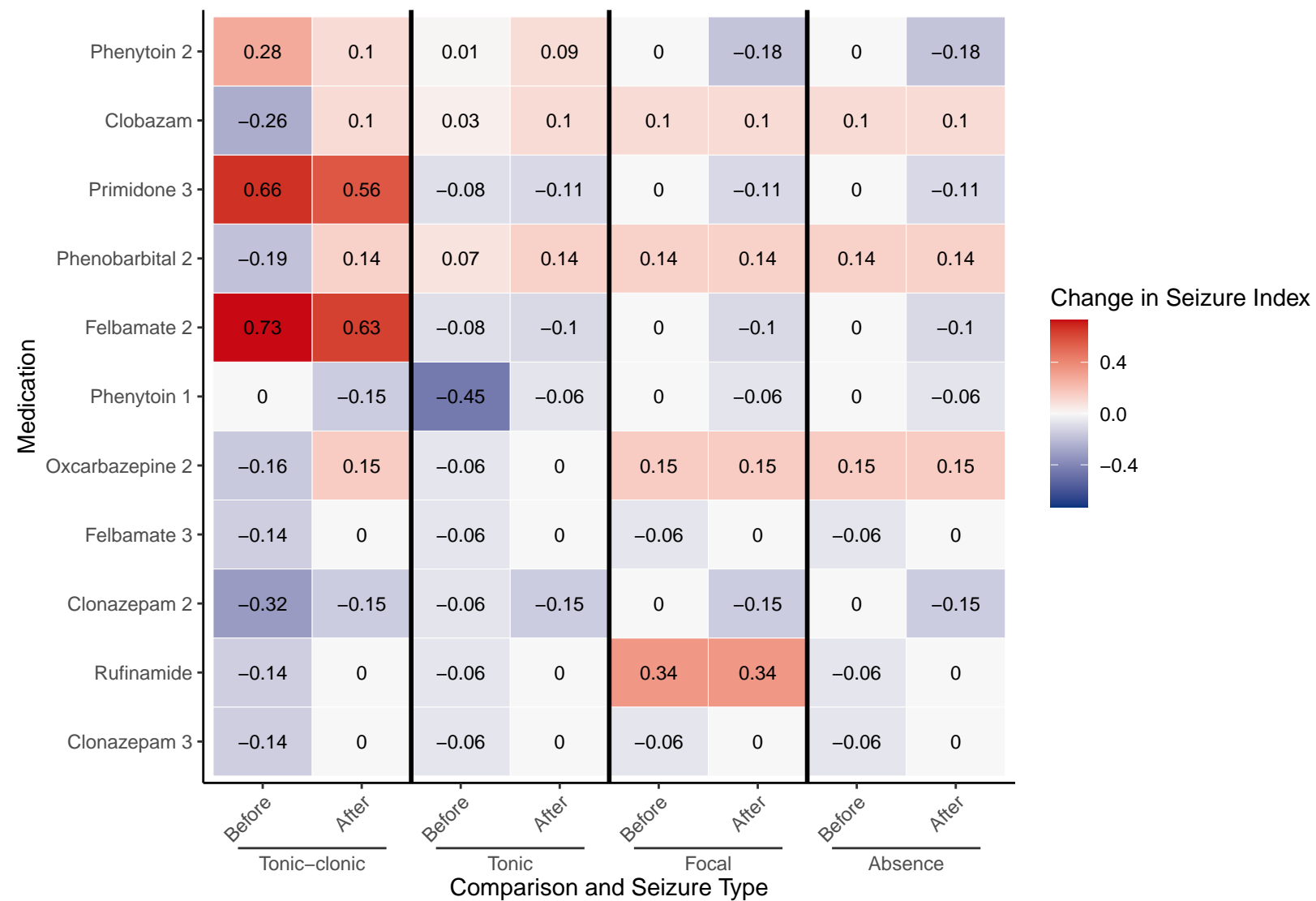
1f065541-31bc-43ce-88c4-584c8849bc11 (Registry #203) (p.Arg1872Trp)



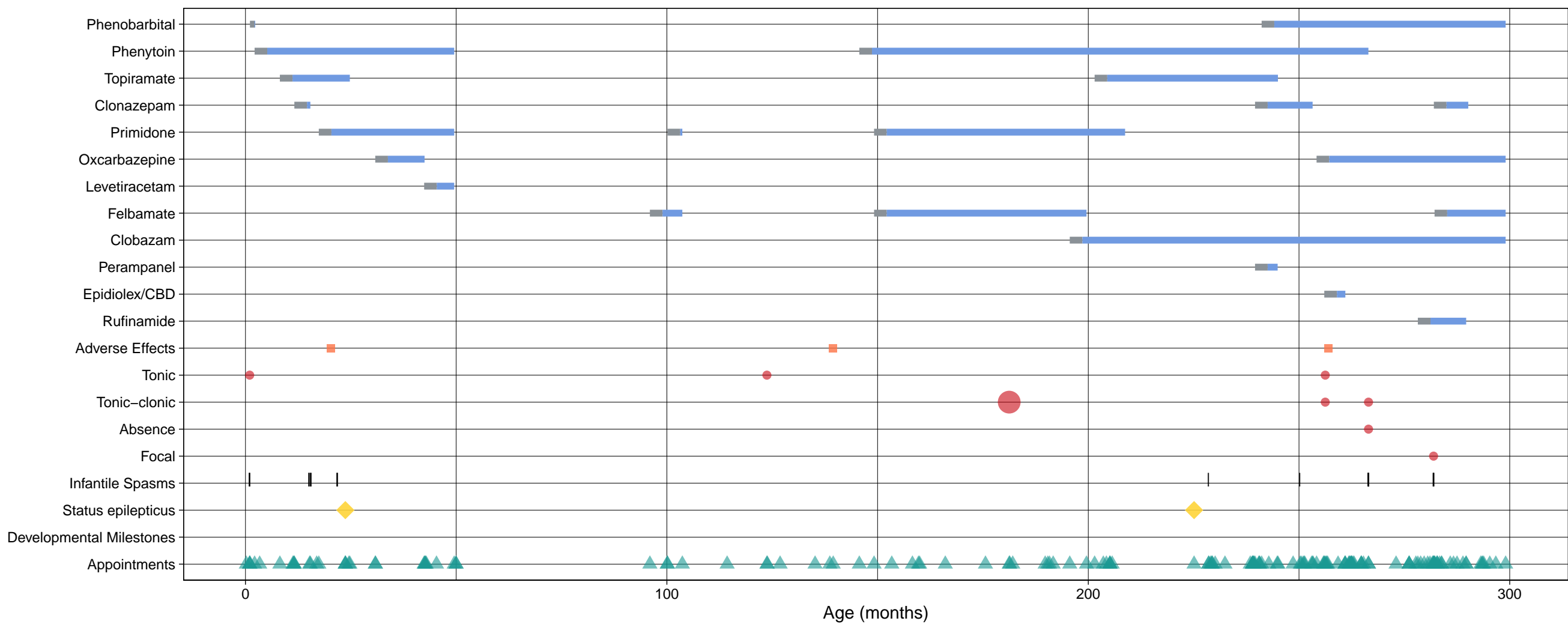
Seizure Index



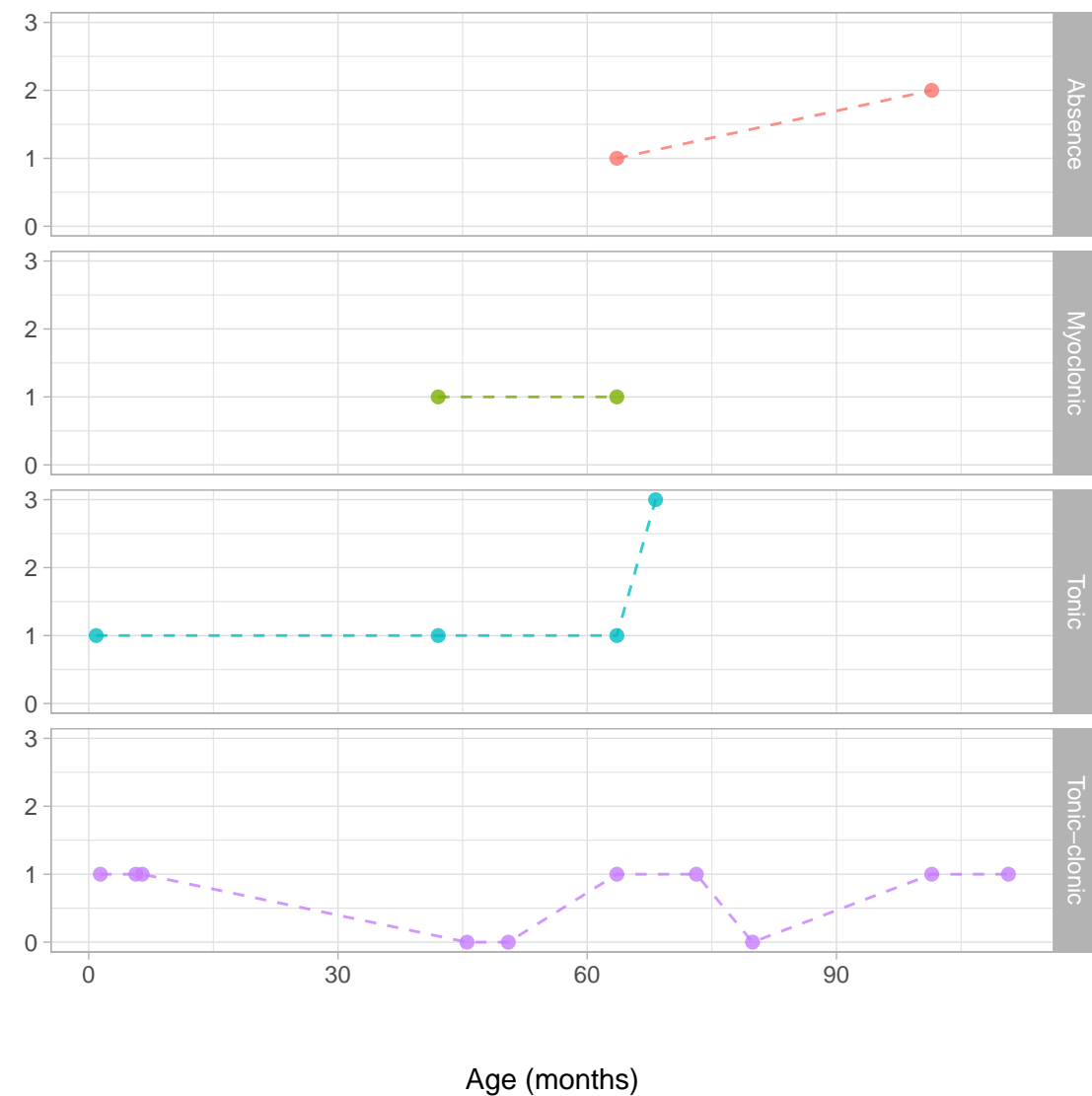
Seizure Index Comparisons



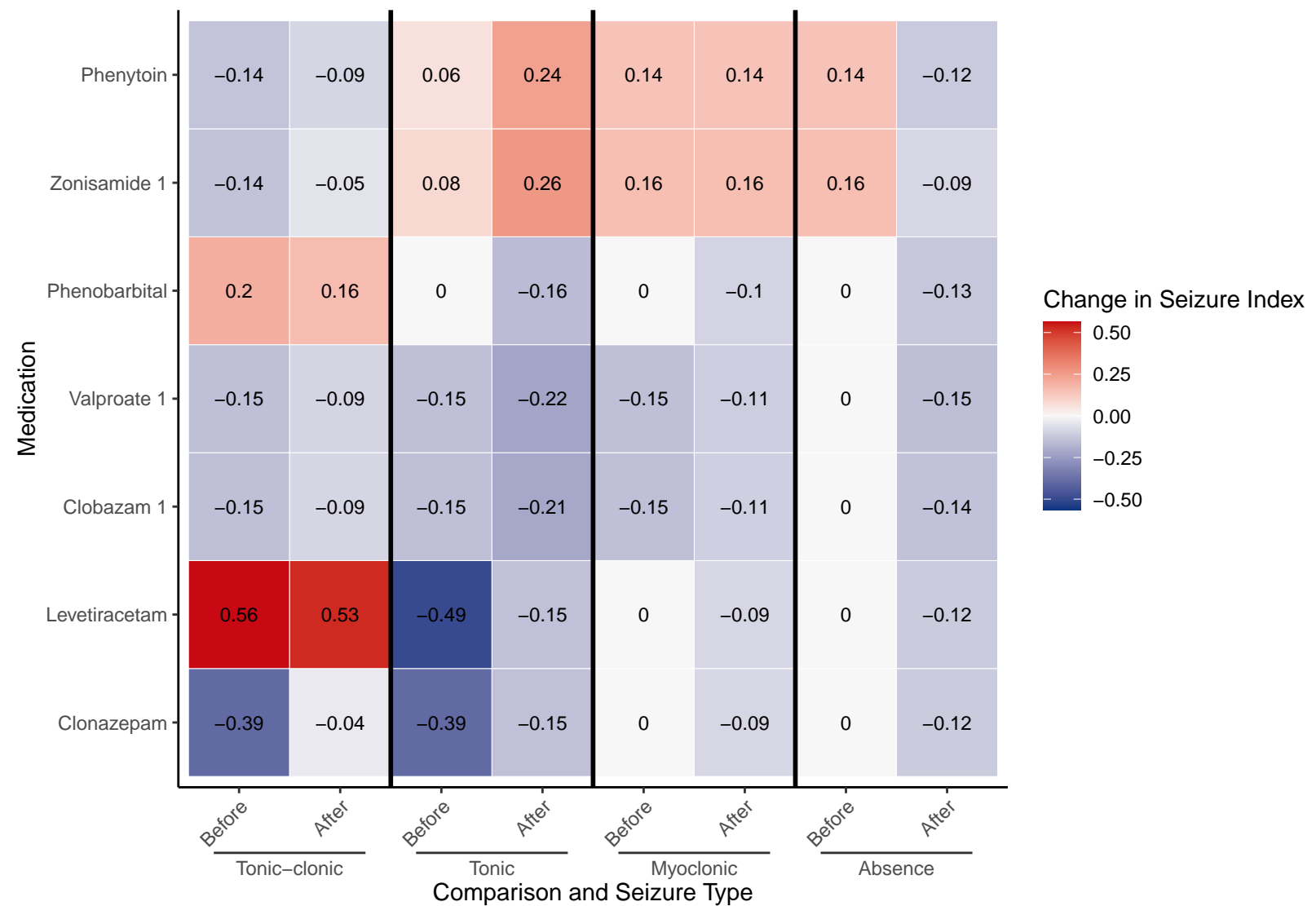
47815af9-7429-4c05-a21c-ad373b1103c7 (Registry #137) (p.Arg1872Leu)



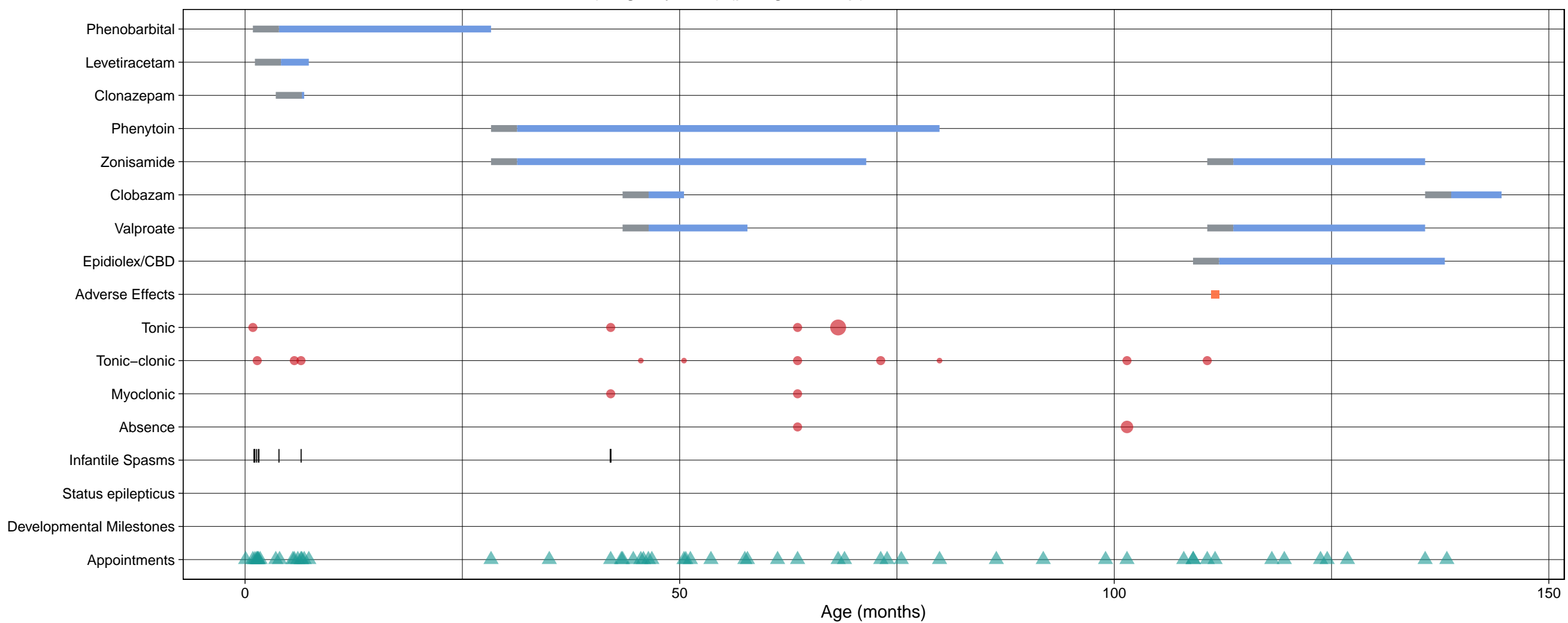
Seizure Index



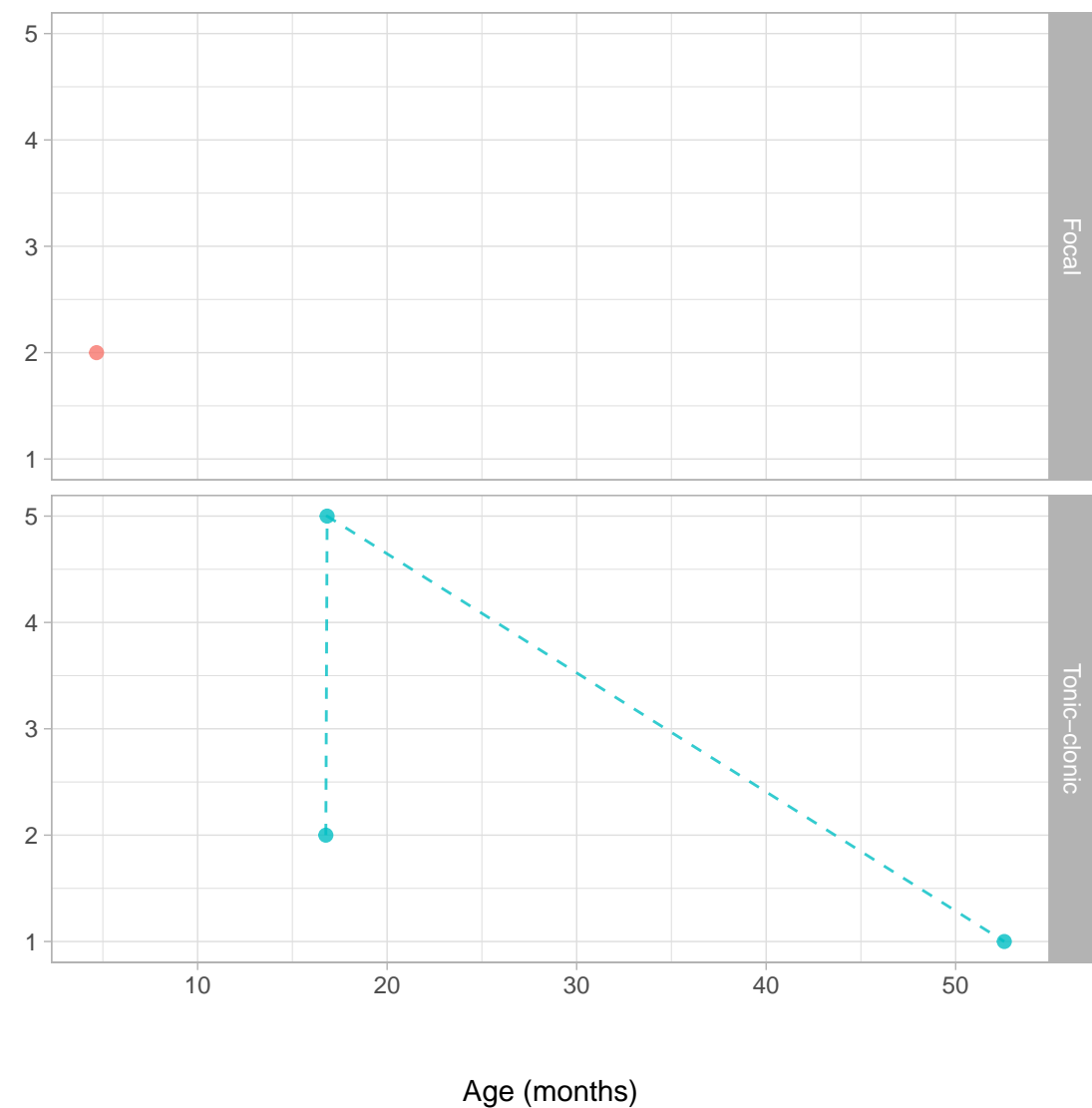
Seizure Index Comparisons



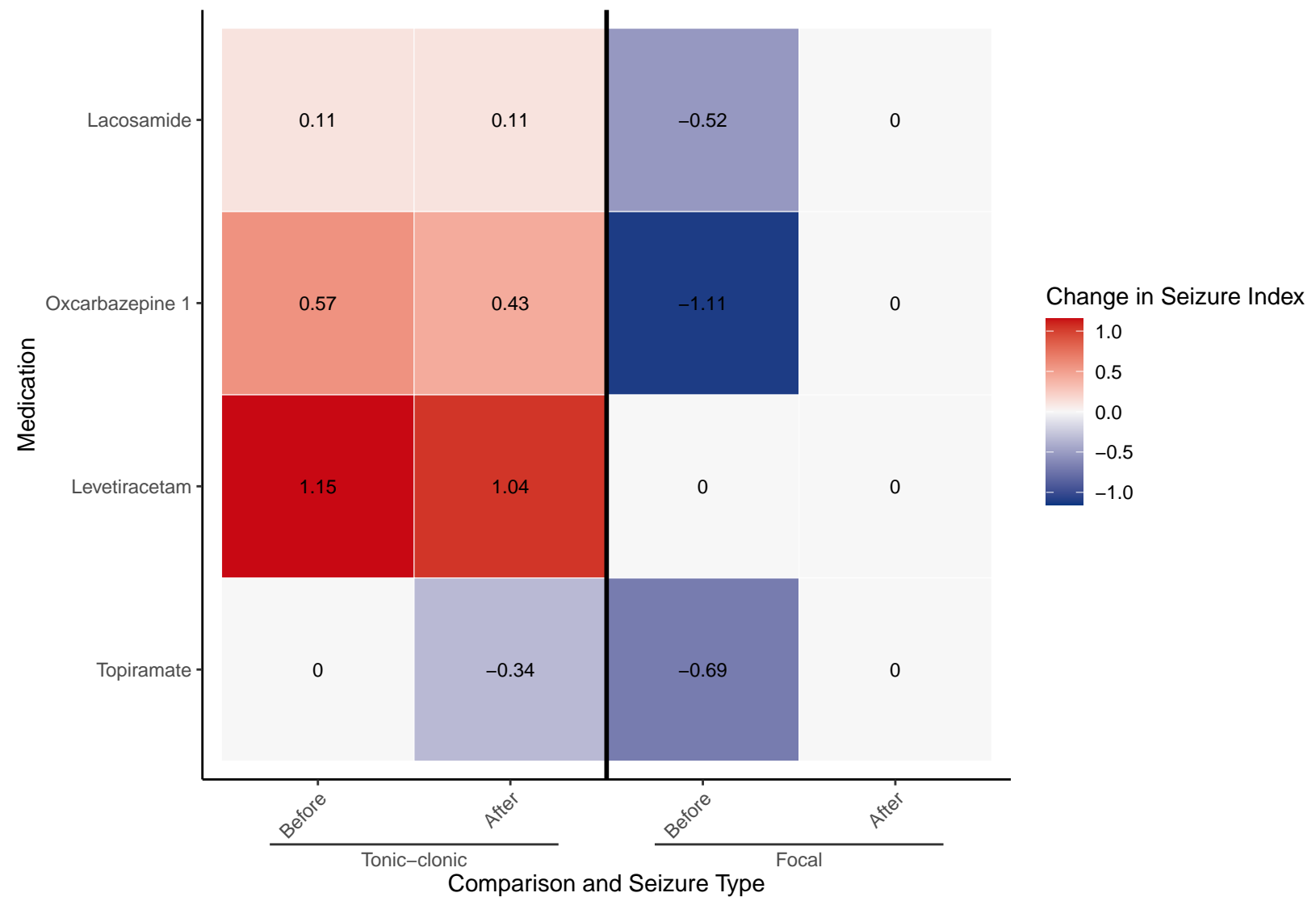
8aedcfd3-8076-42b8-8037-6cf999b1c80e (Registry #18) (p.Arg1872Trp)



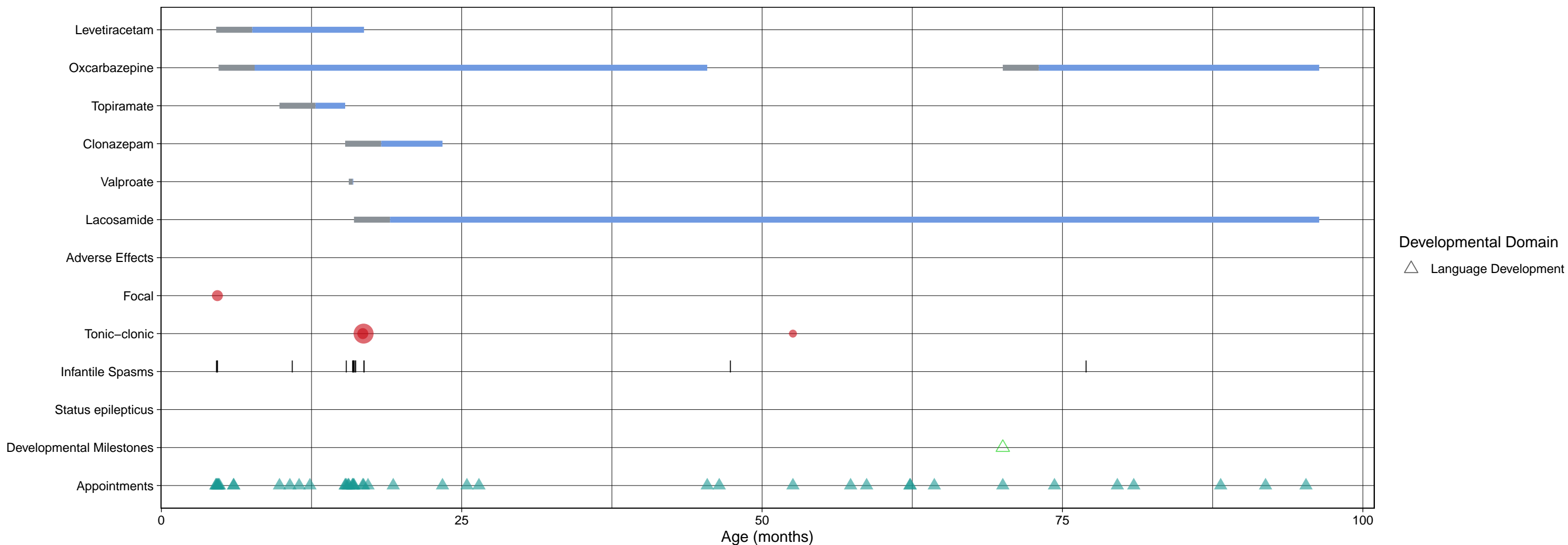
Seizure Index



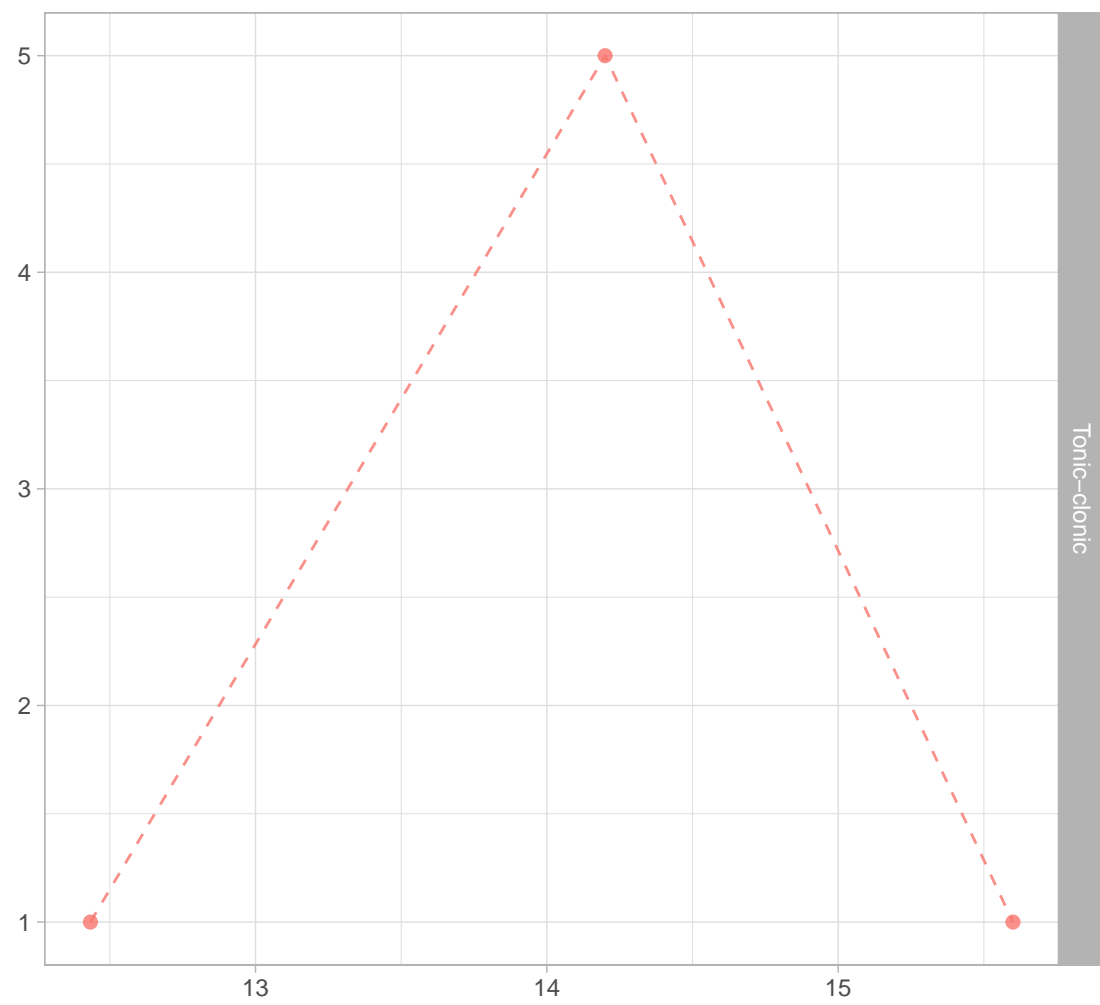
Seizure Index Comparisons



ff572f13-cb3a-4062-b80c-835da555f2cd (Registry #2) (p.Arg1872Gln)

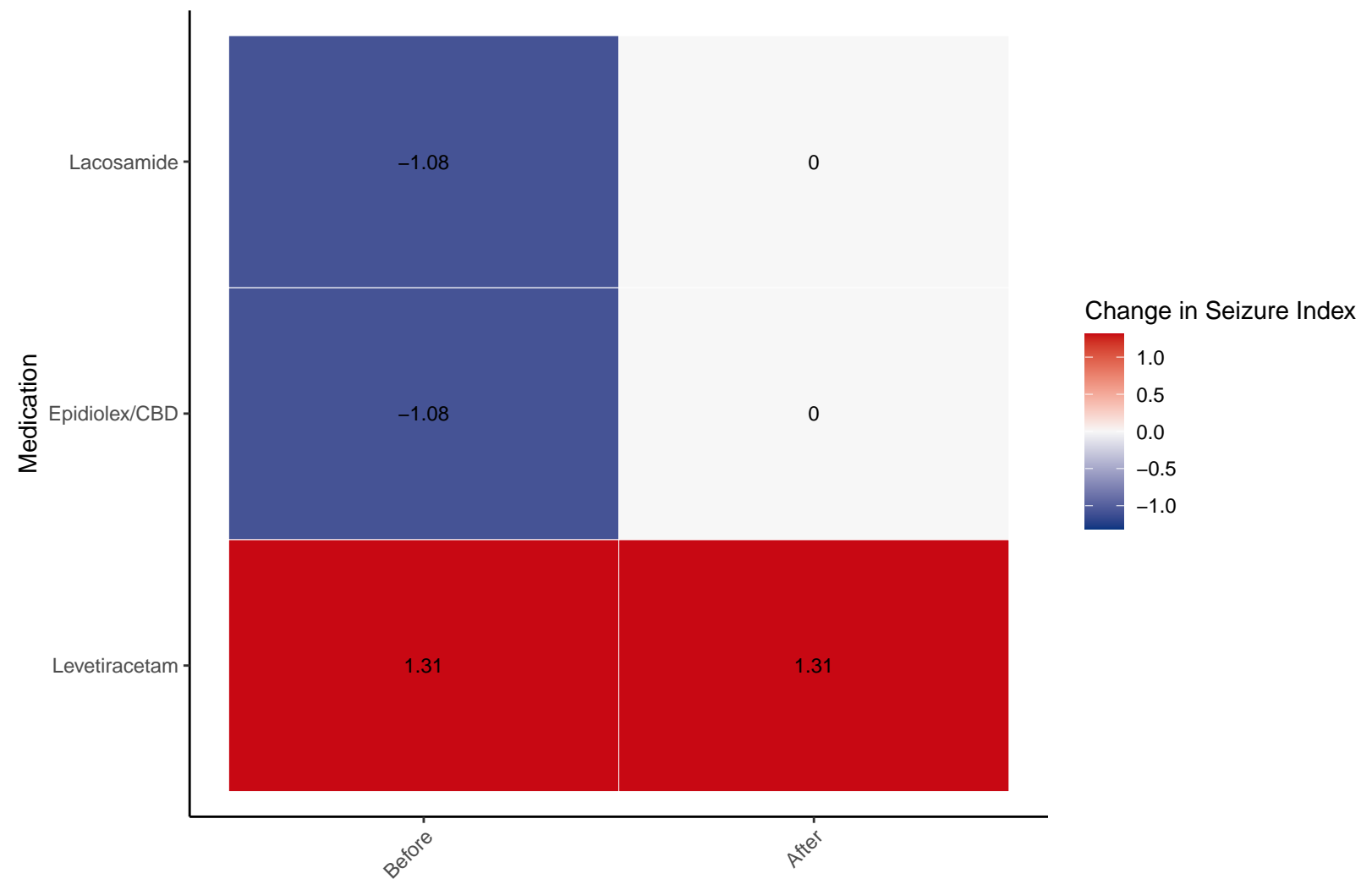


Seizure Index



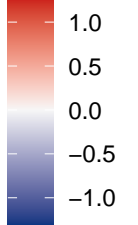
Age (months)

Seizure Index Comparisons



Medication

Change in Seizure Index

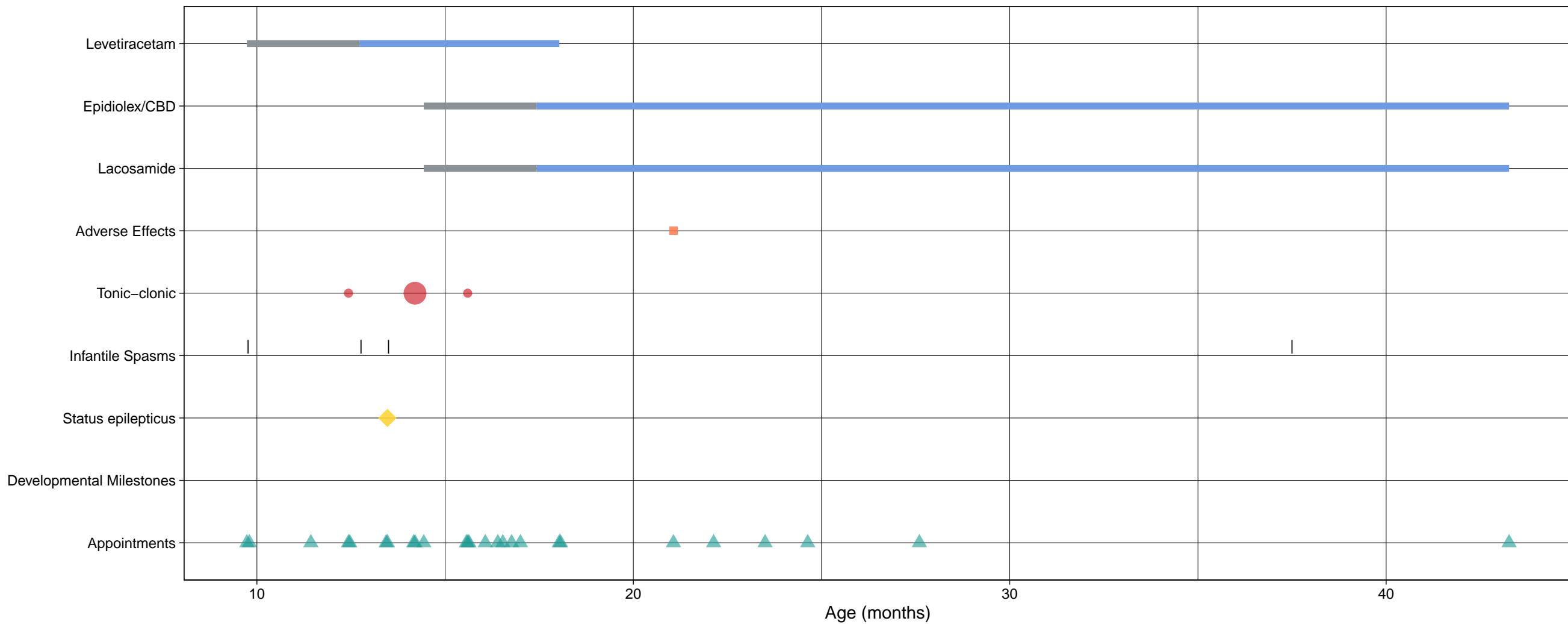


Before

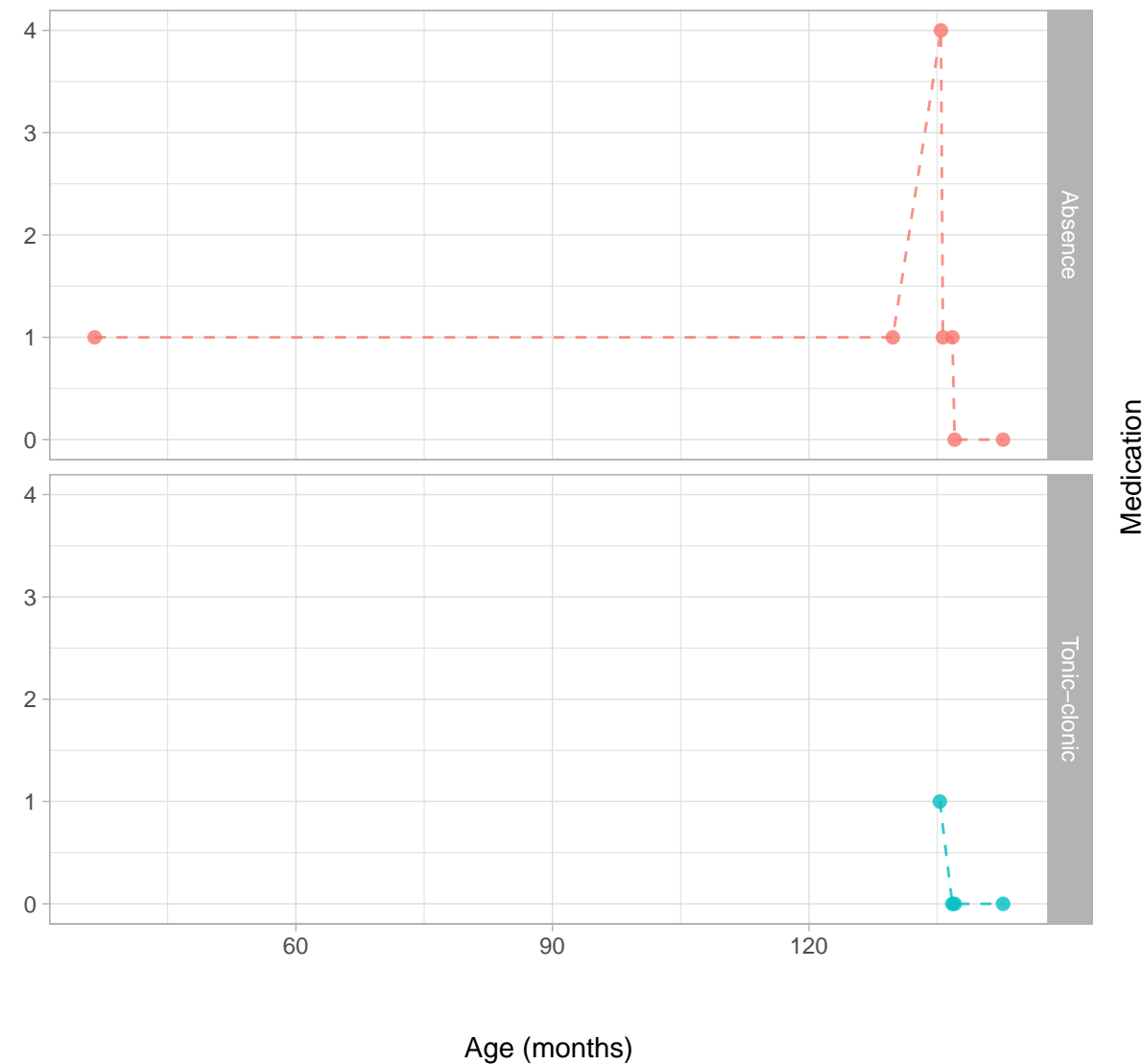
After

Tonic-clonic
Comparison and Seizure Type

12958865-1073-4404-a54a-f855b6c44b85 (Registry #193) (p.Asn1877Ser)



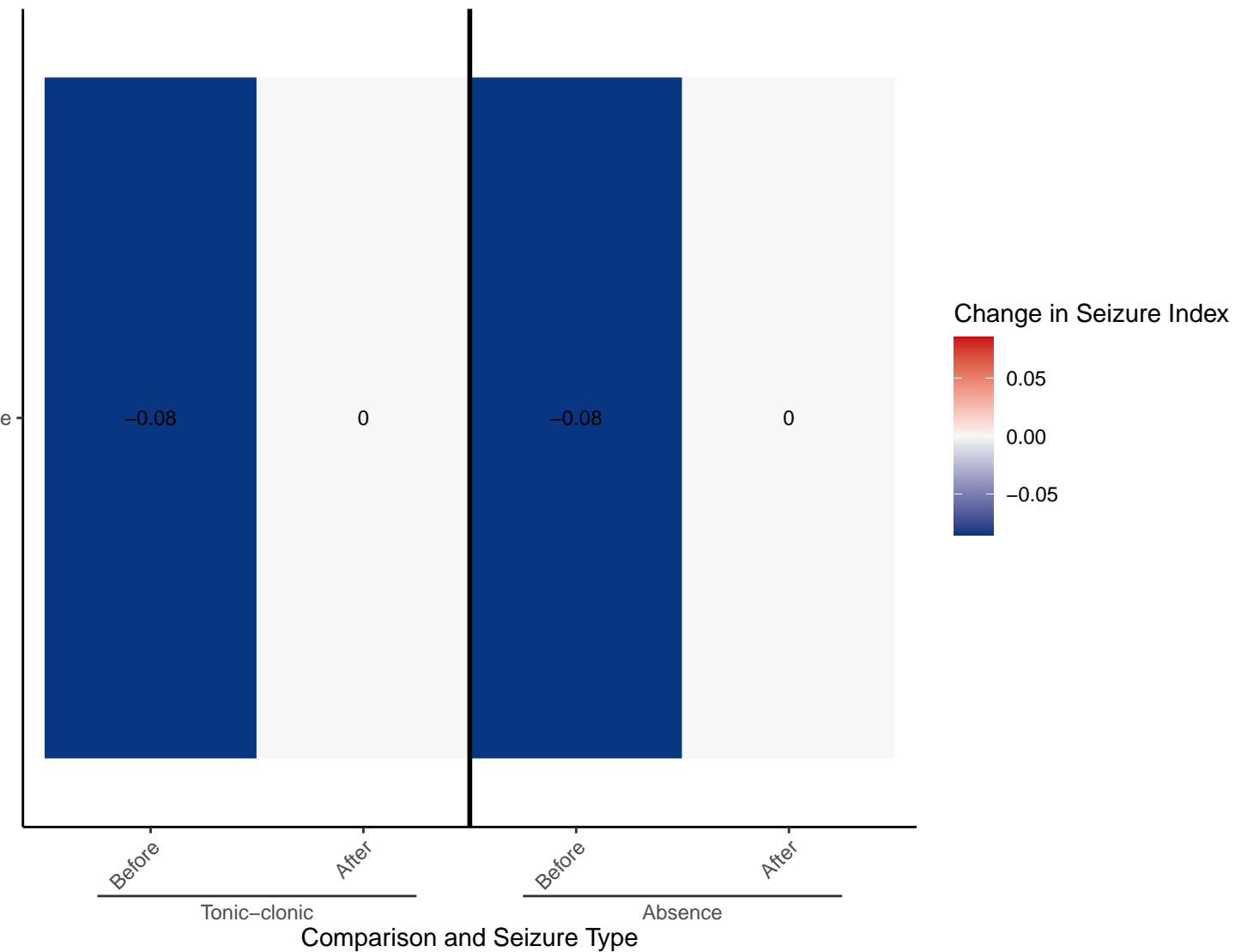
Seizure Index



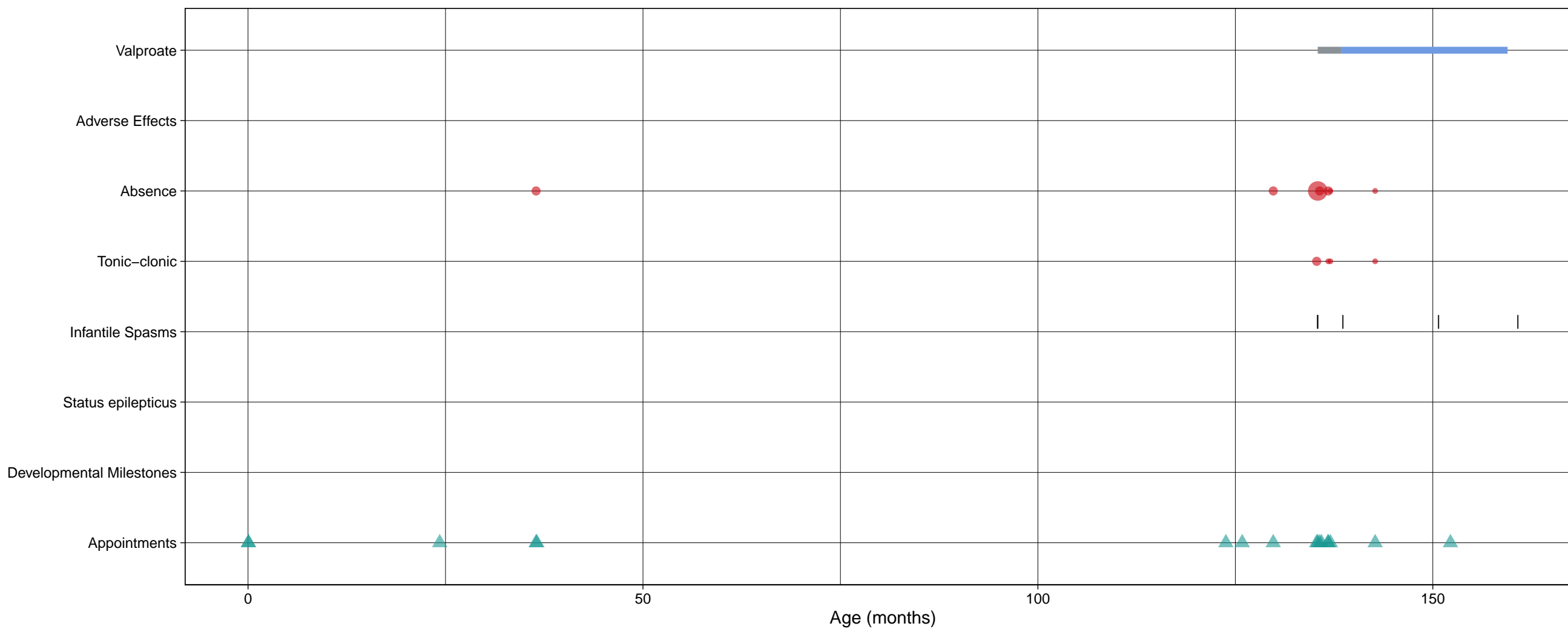
Medication

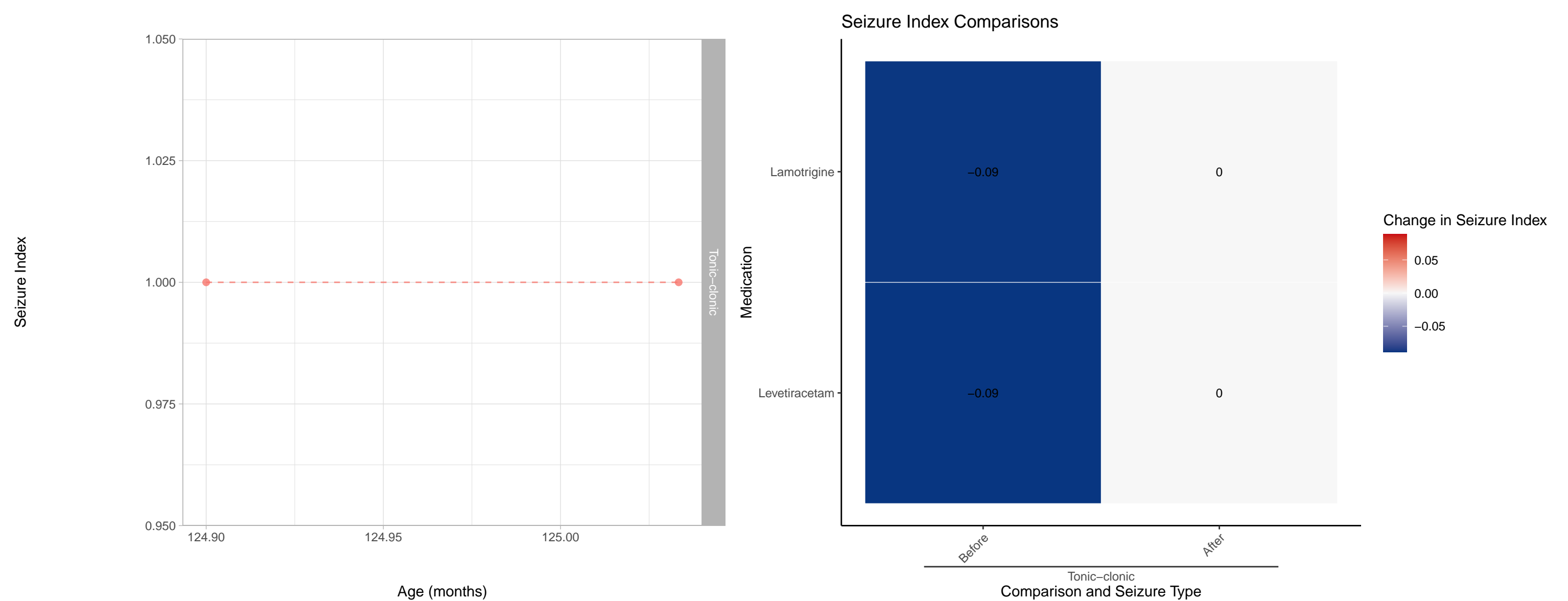
Valproate

Seizure Index Comparisons

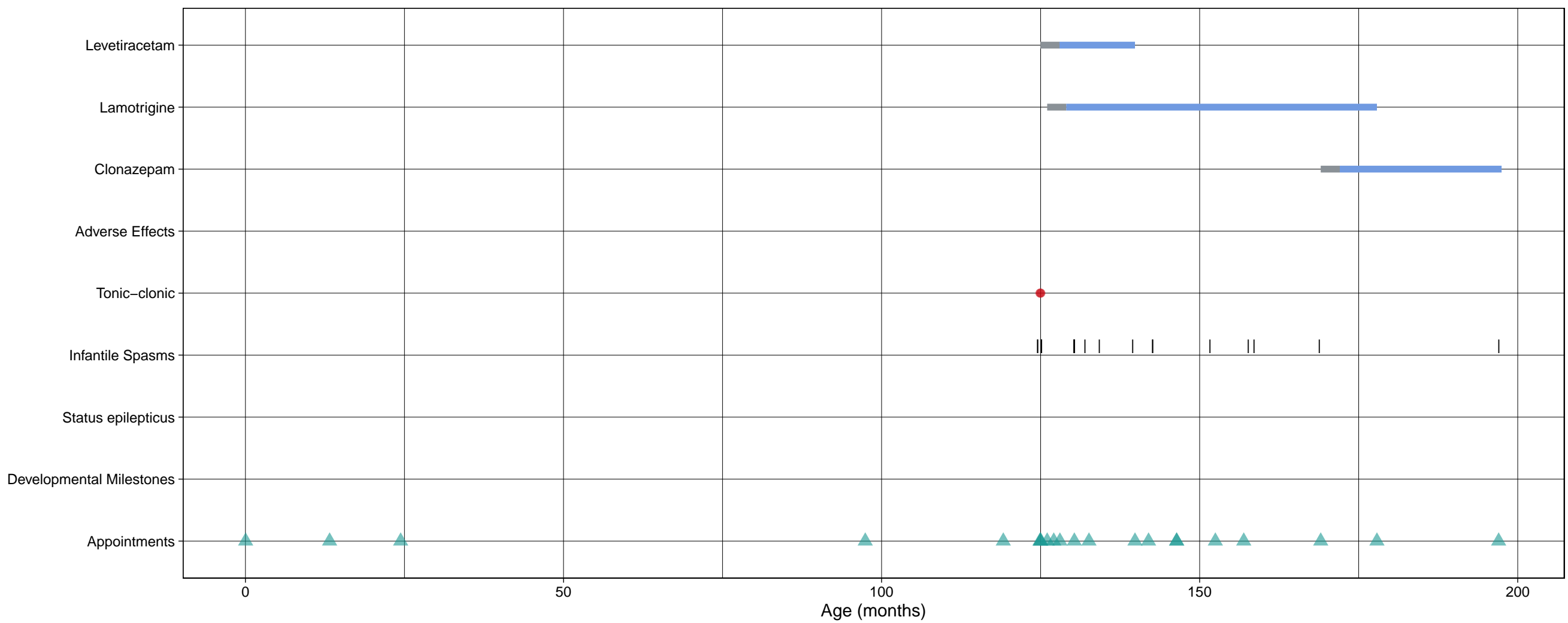


84bad343-f2e0-4ec6-8f19-9d8f22c2d97e (Registry #368) (p.Thr1921Ala)

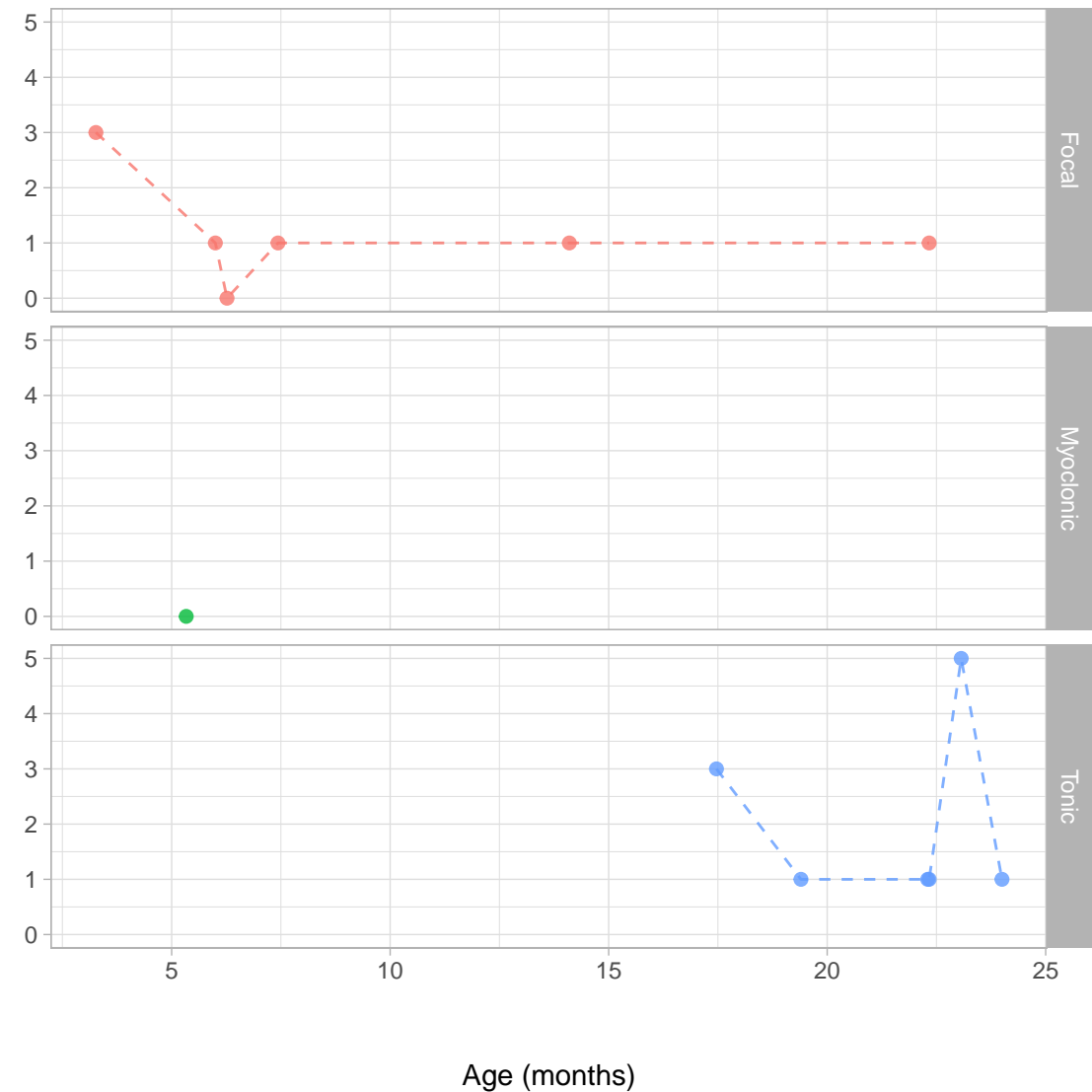




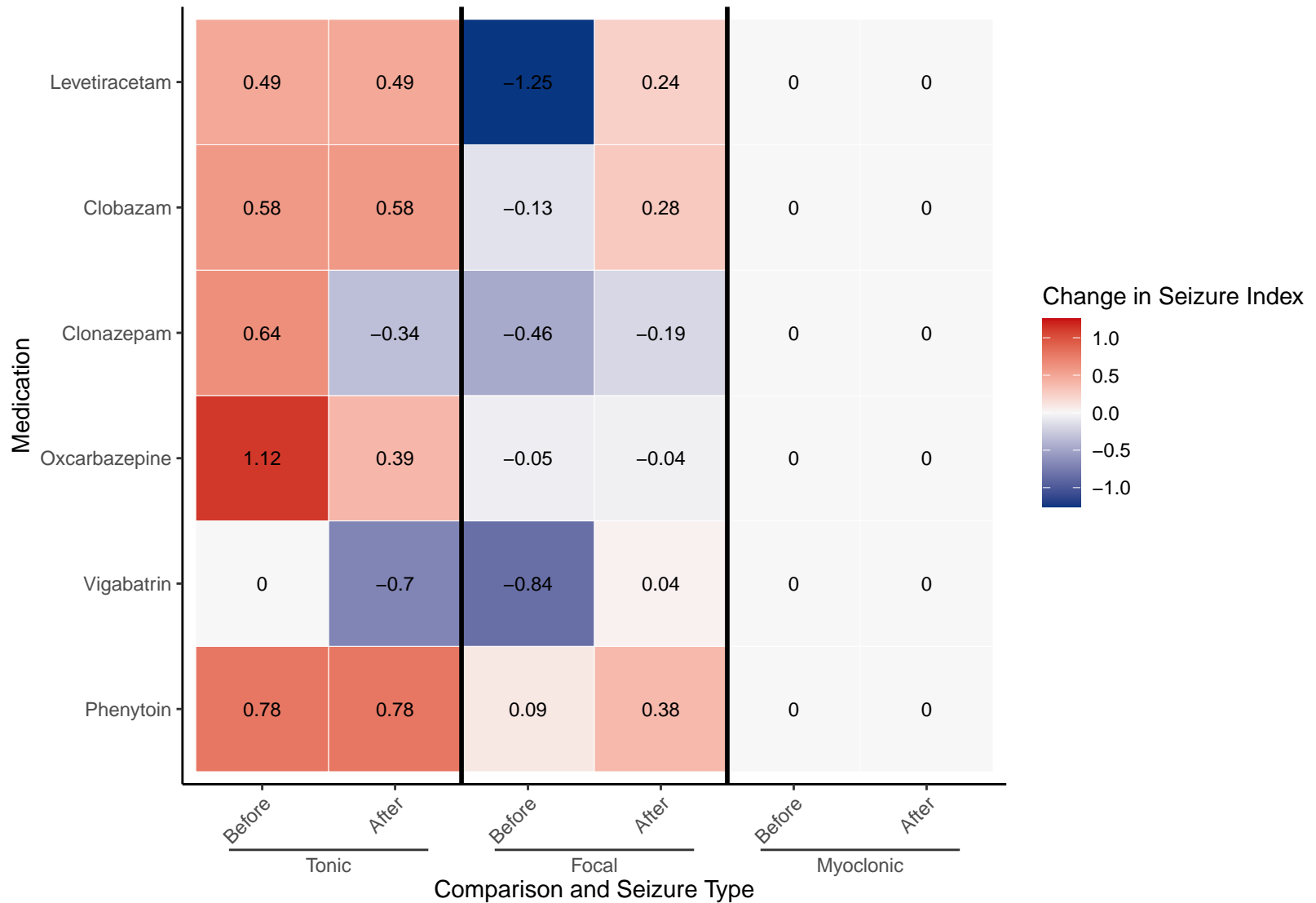
9f18be70-eaa0-46a3-9aaa-ee705216cb41 (p.Met139Ile)



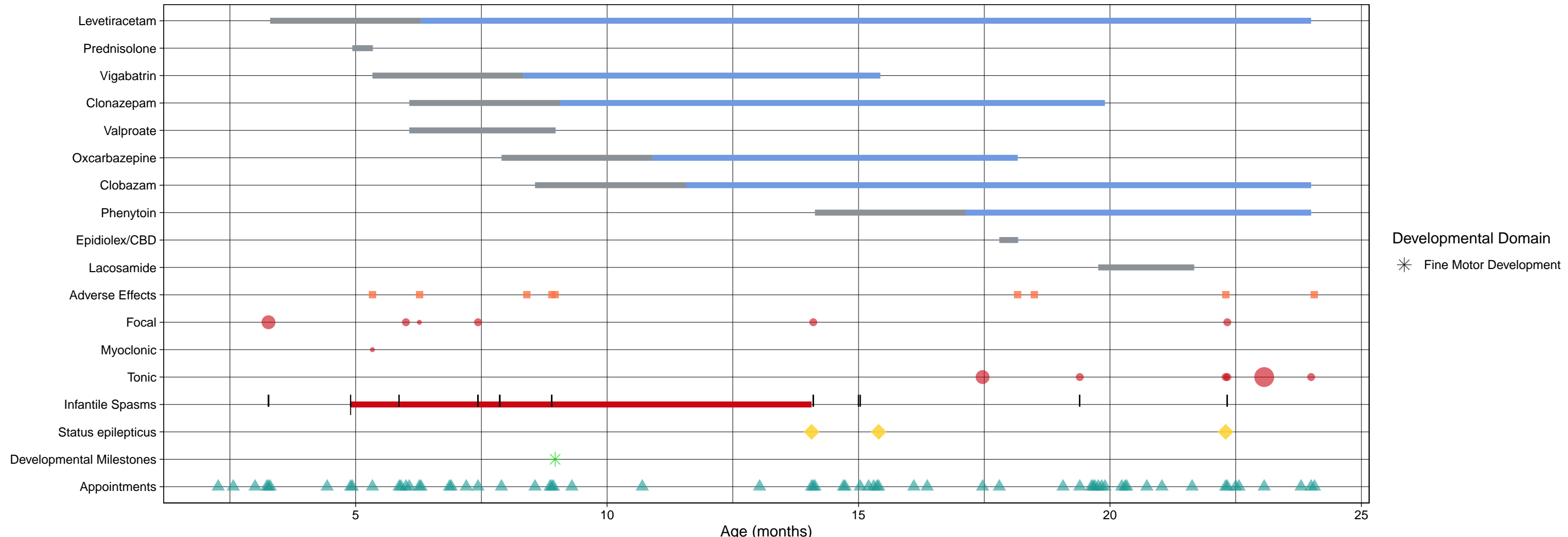
Seizure Index

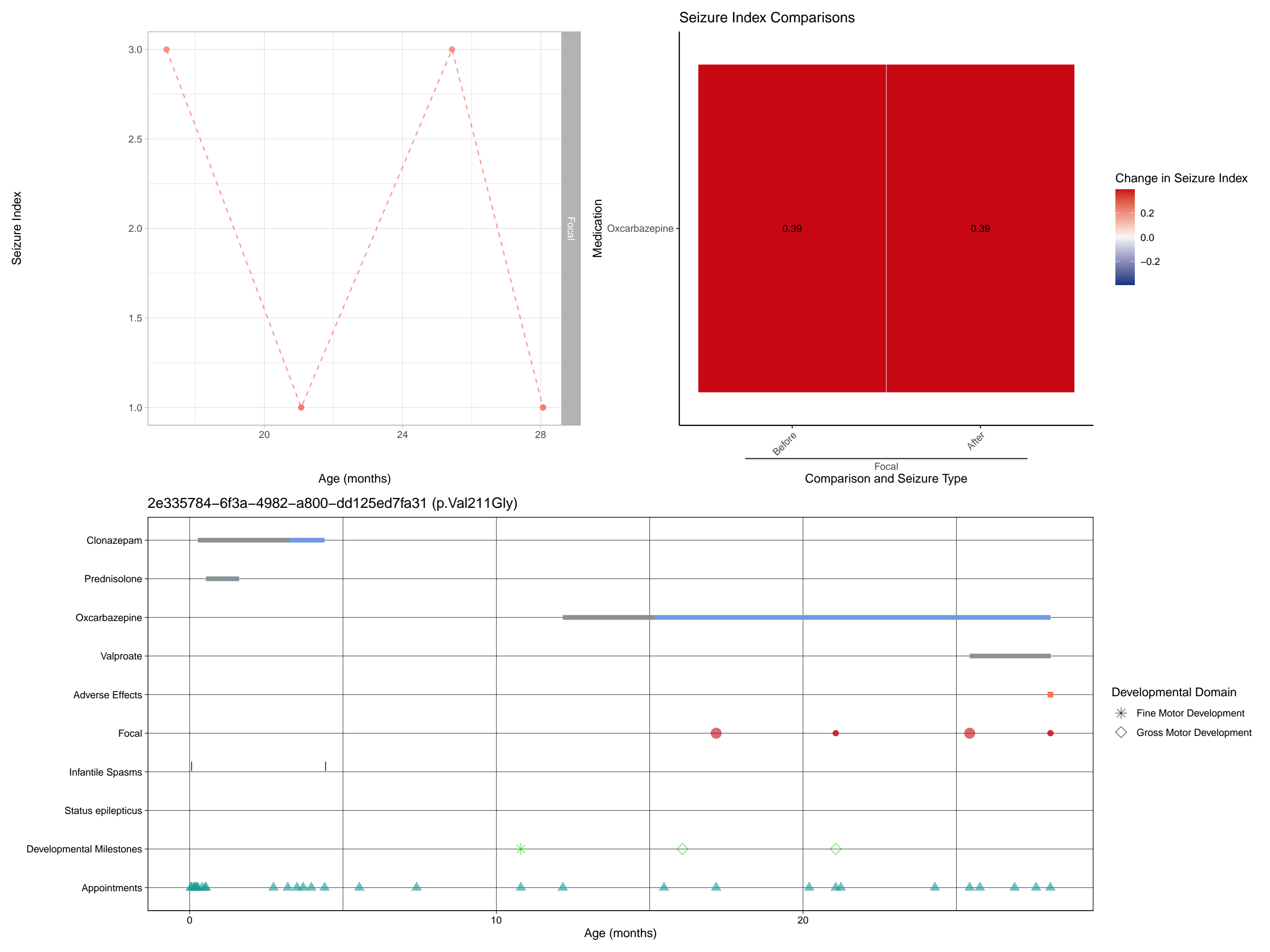


Seizure Index Comparisons

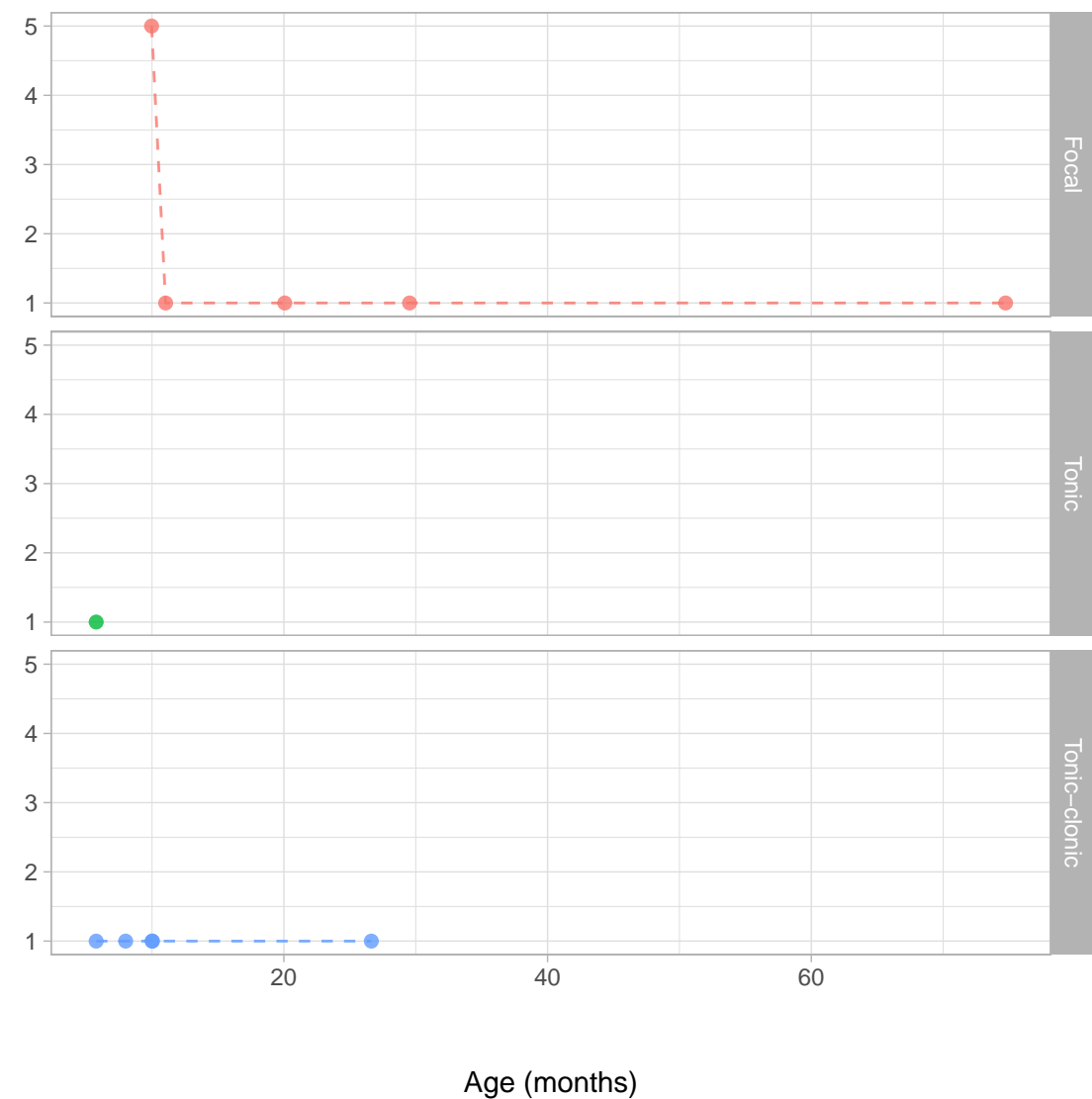


9d63ed35–ec7c–4ea1–ba03–fcfdfdf0ee55 (p.Ser217Pro) – IF

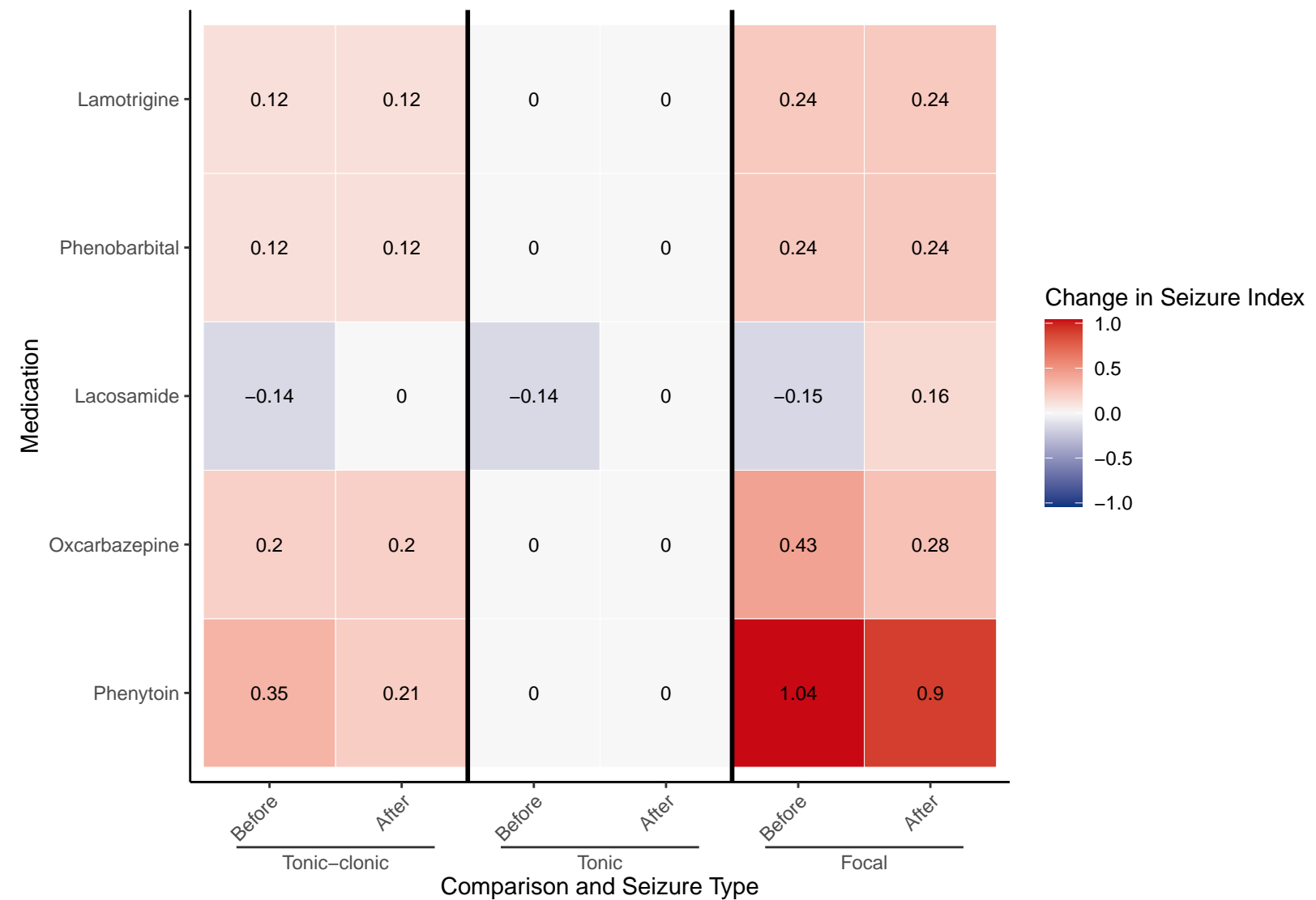




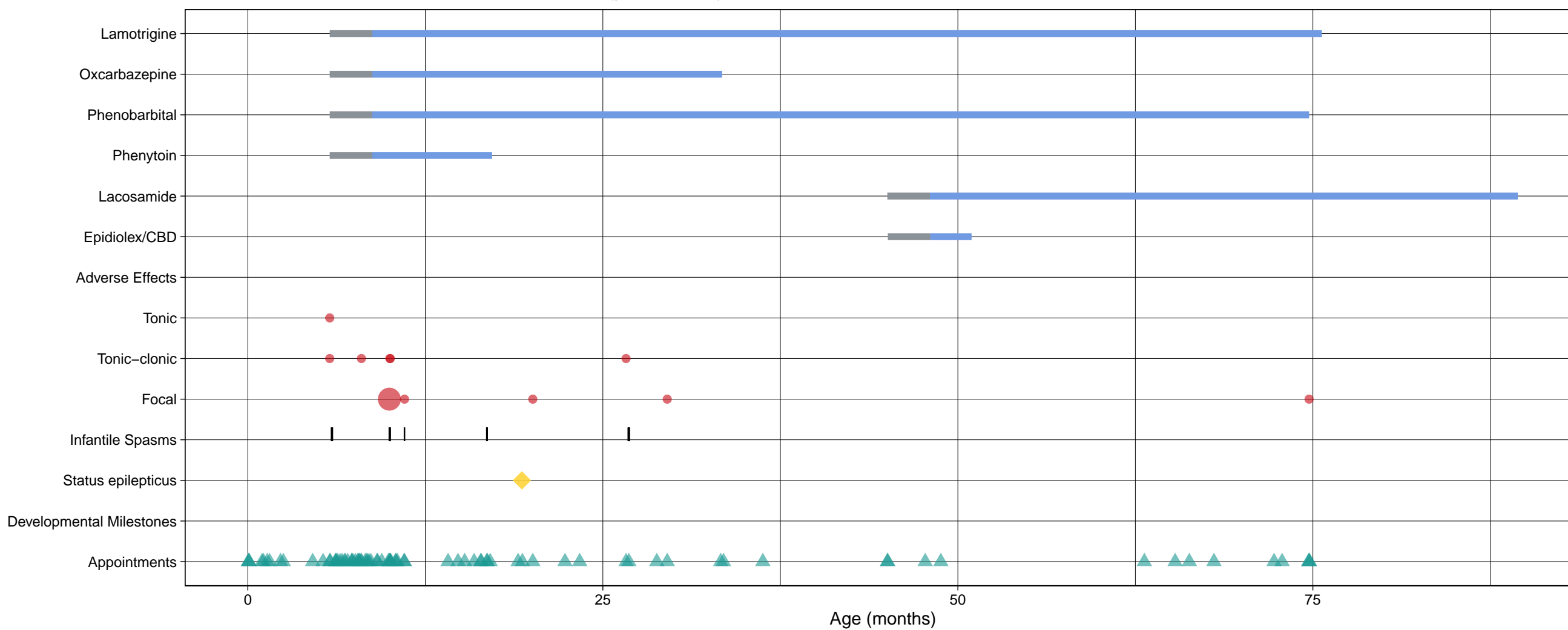
Seizure Index



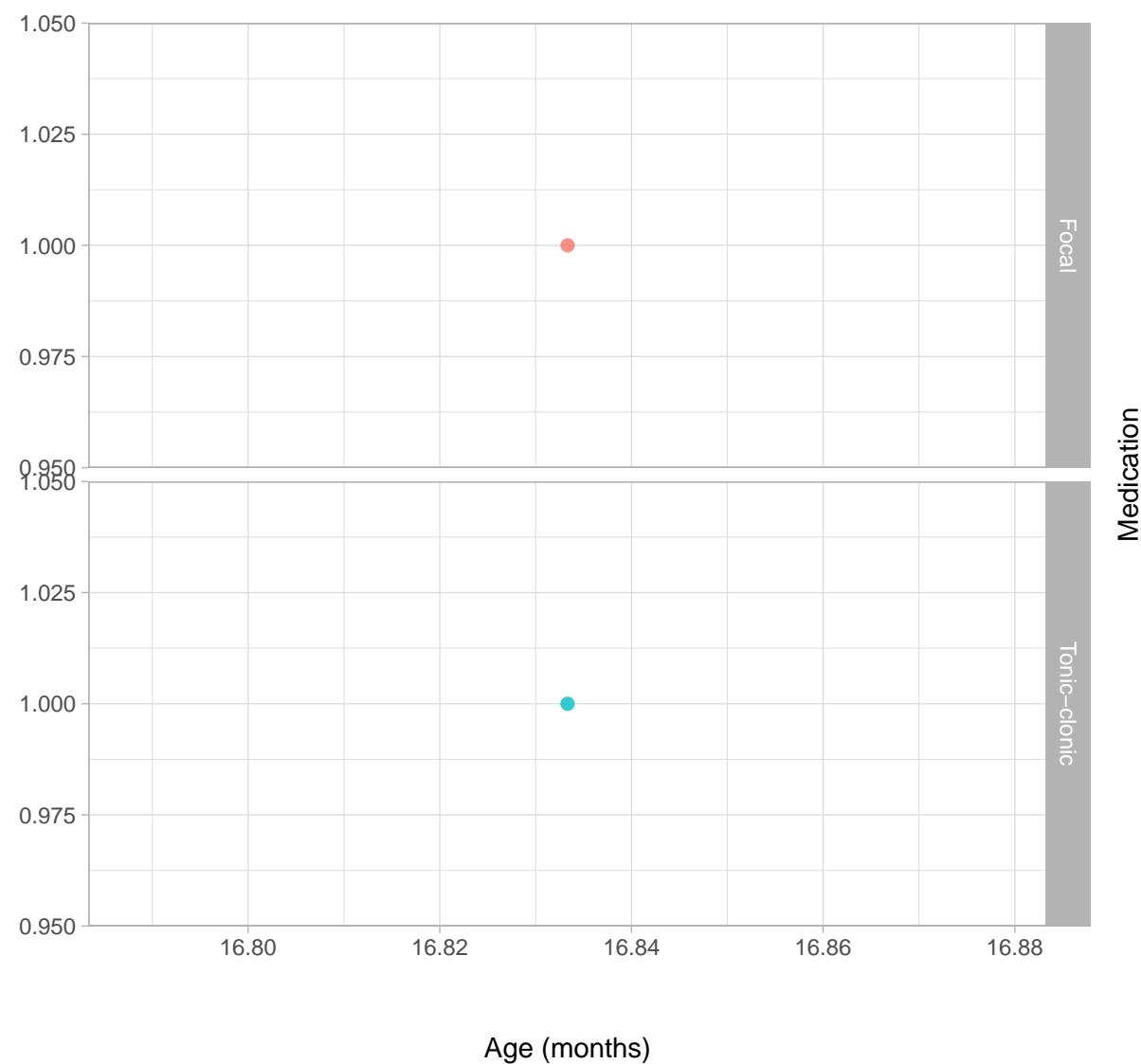
Seizure Index Comparisons



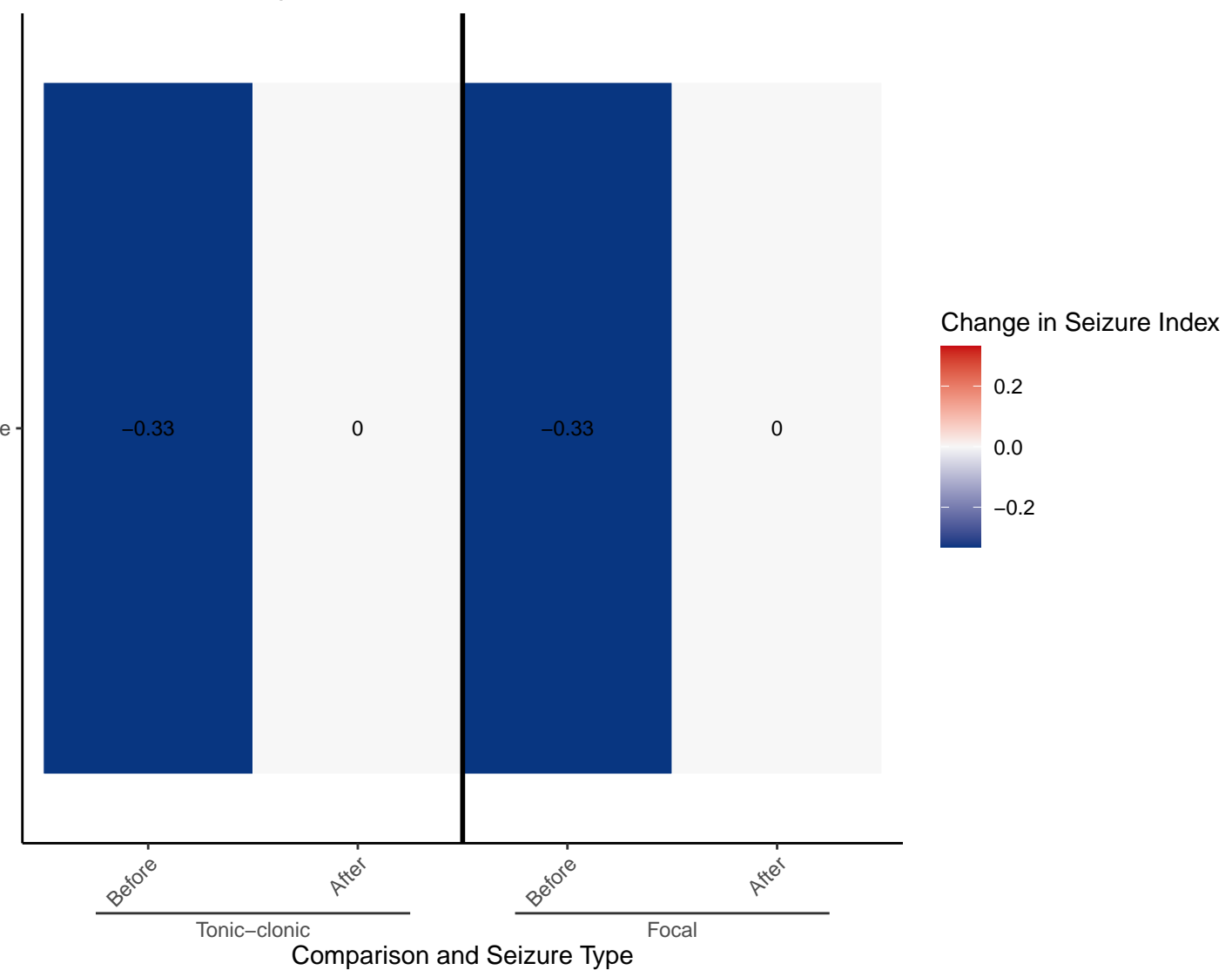
409008b9-671d-456e-96a0-8236a5ee7dbf (p.Ile240Val)



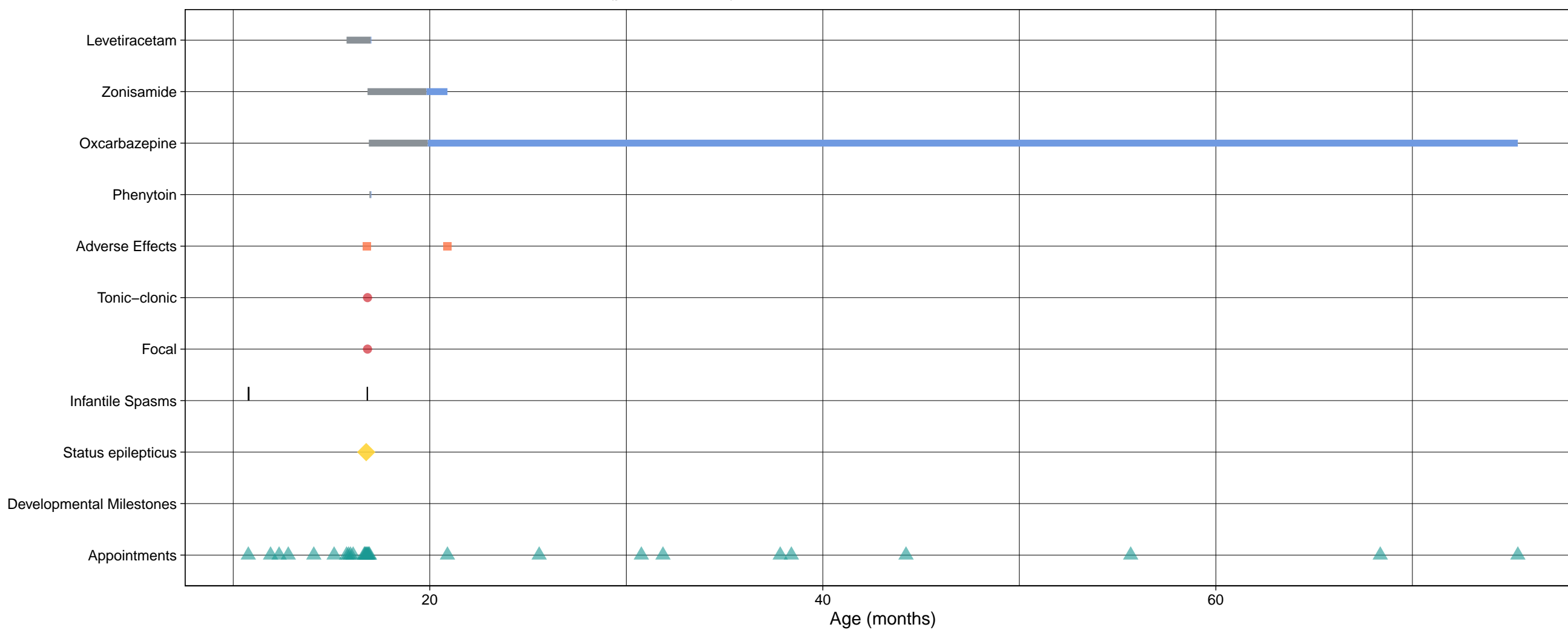
Seizure Index



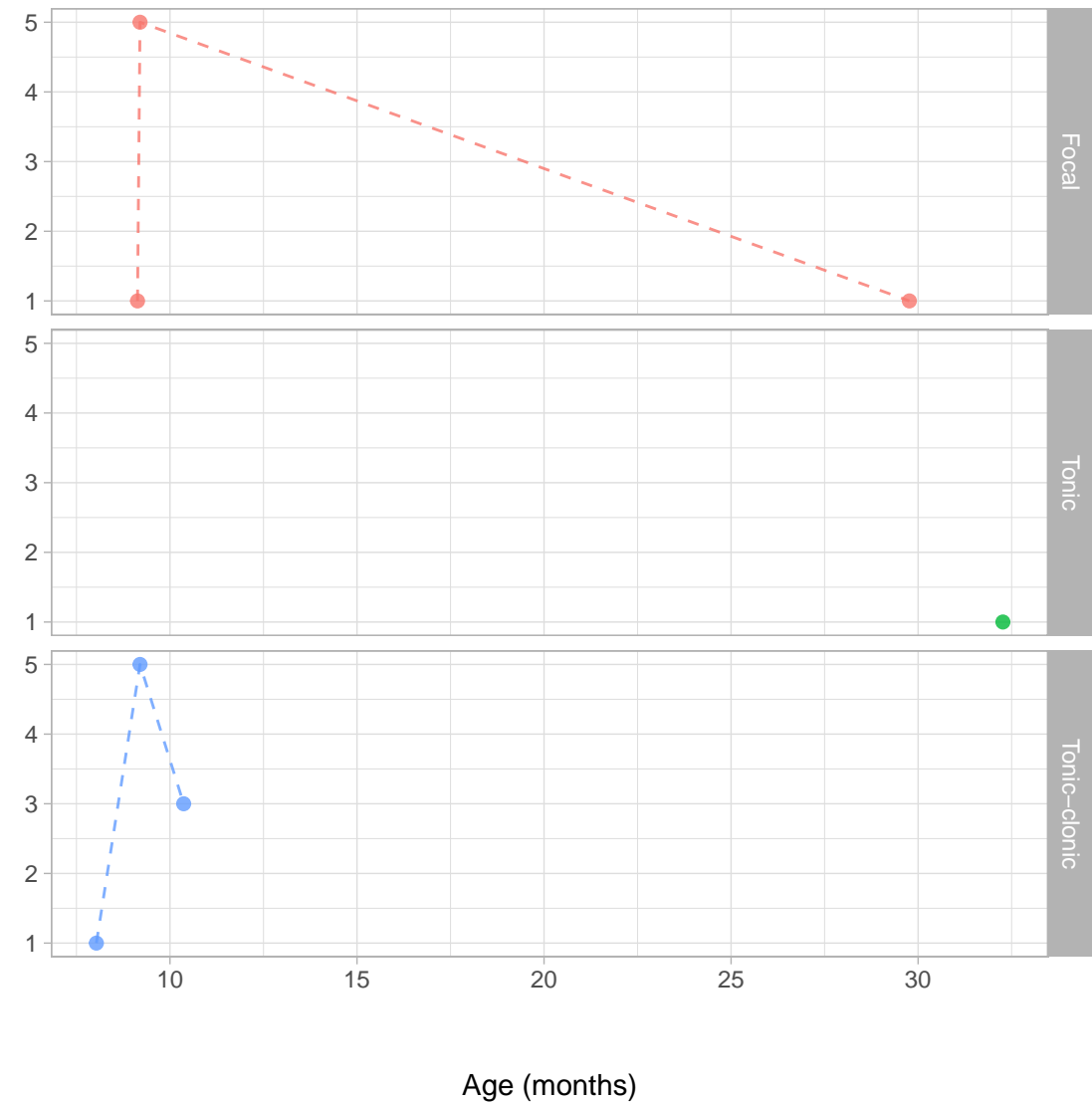
Seizure Index Comparisons



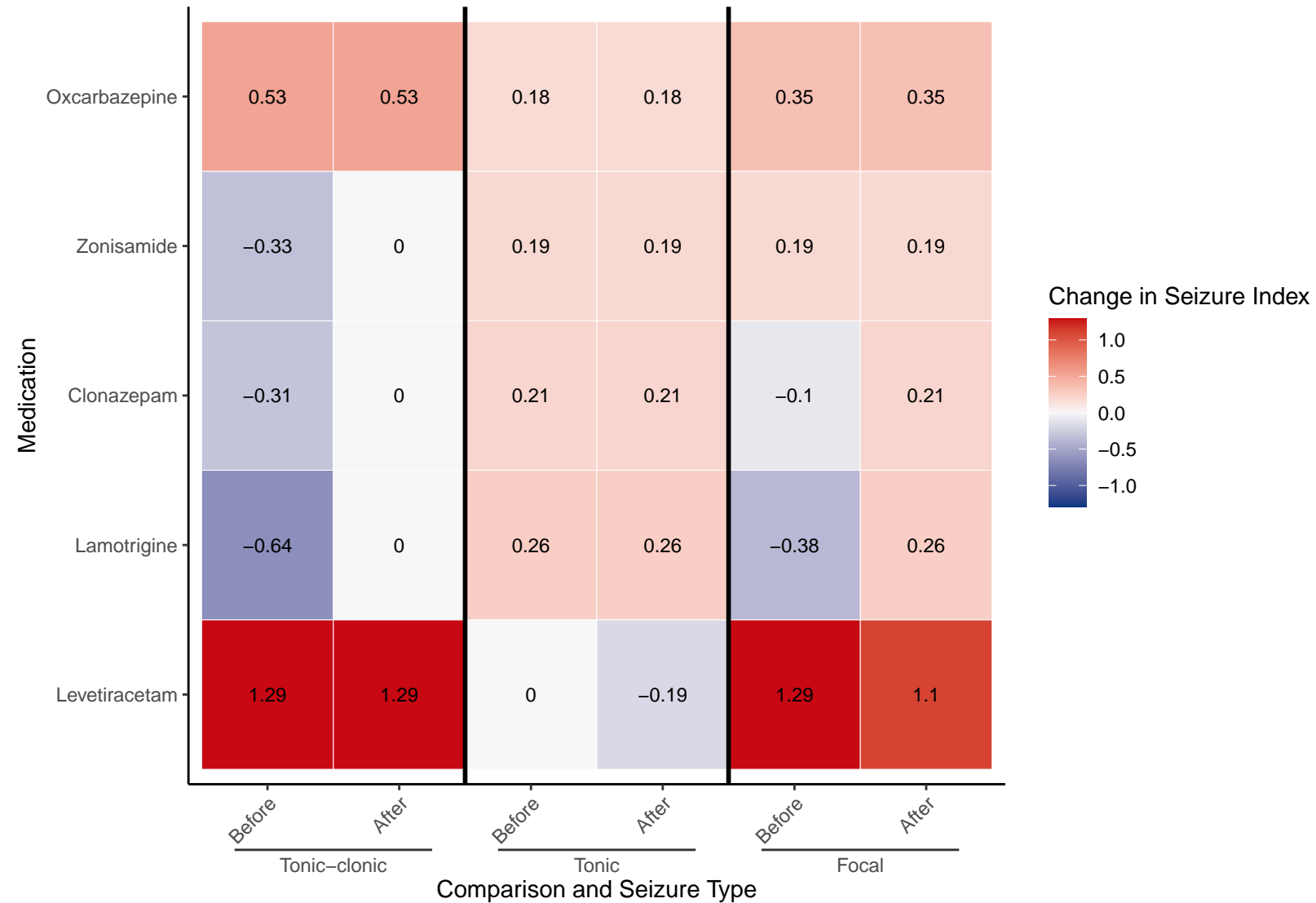
c8c1c6e1-7b85-4894-8ac8-2b890157c3b1 (p.Leu257Val)



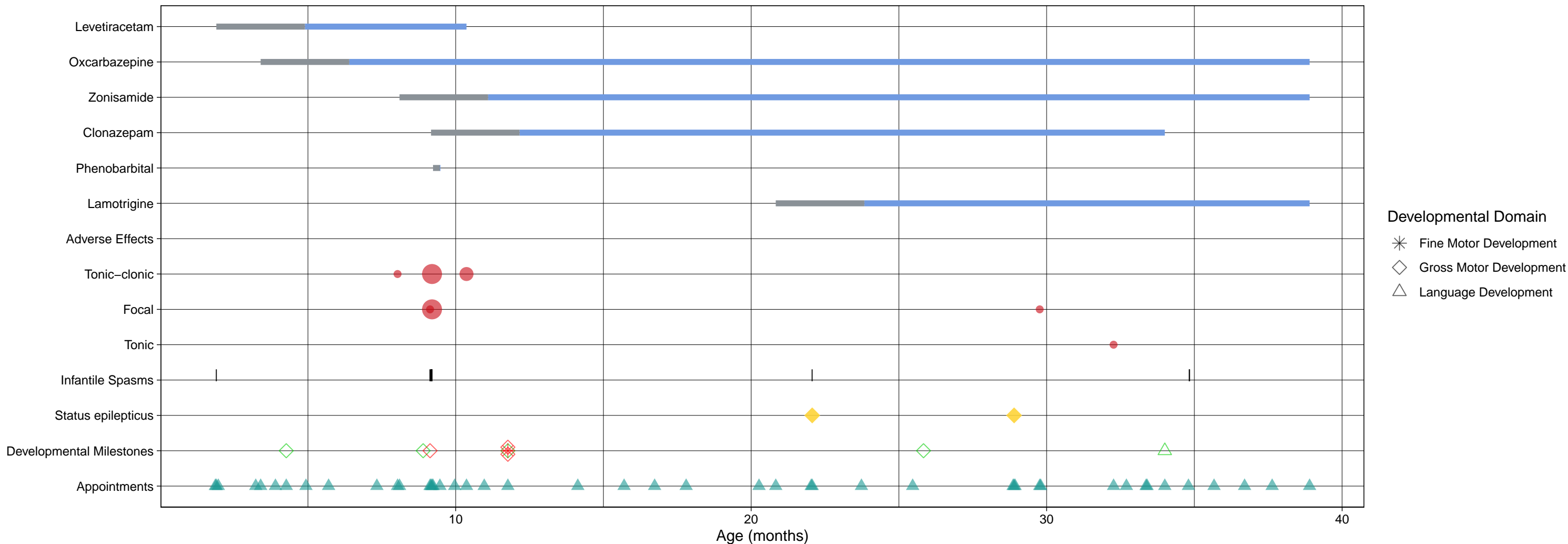
Seizure Index



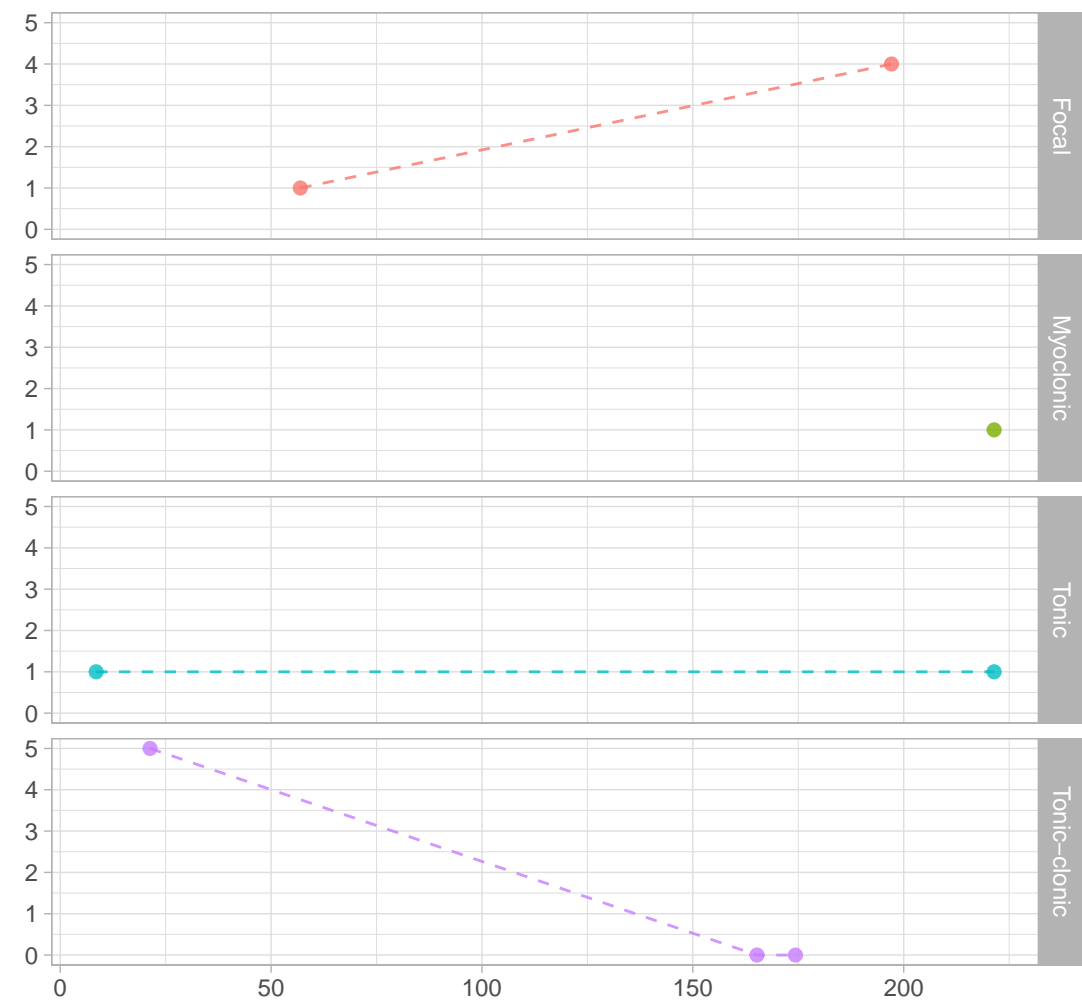
Seizure Index Comparisons



849ac8d6-e9f0-48fc-b775-801f7bf03882 (p.Phe260Ser)

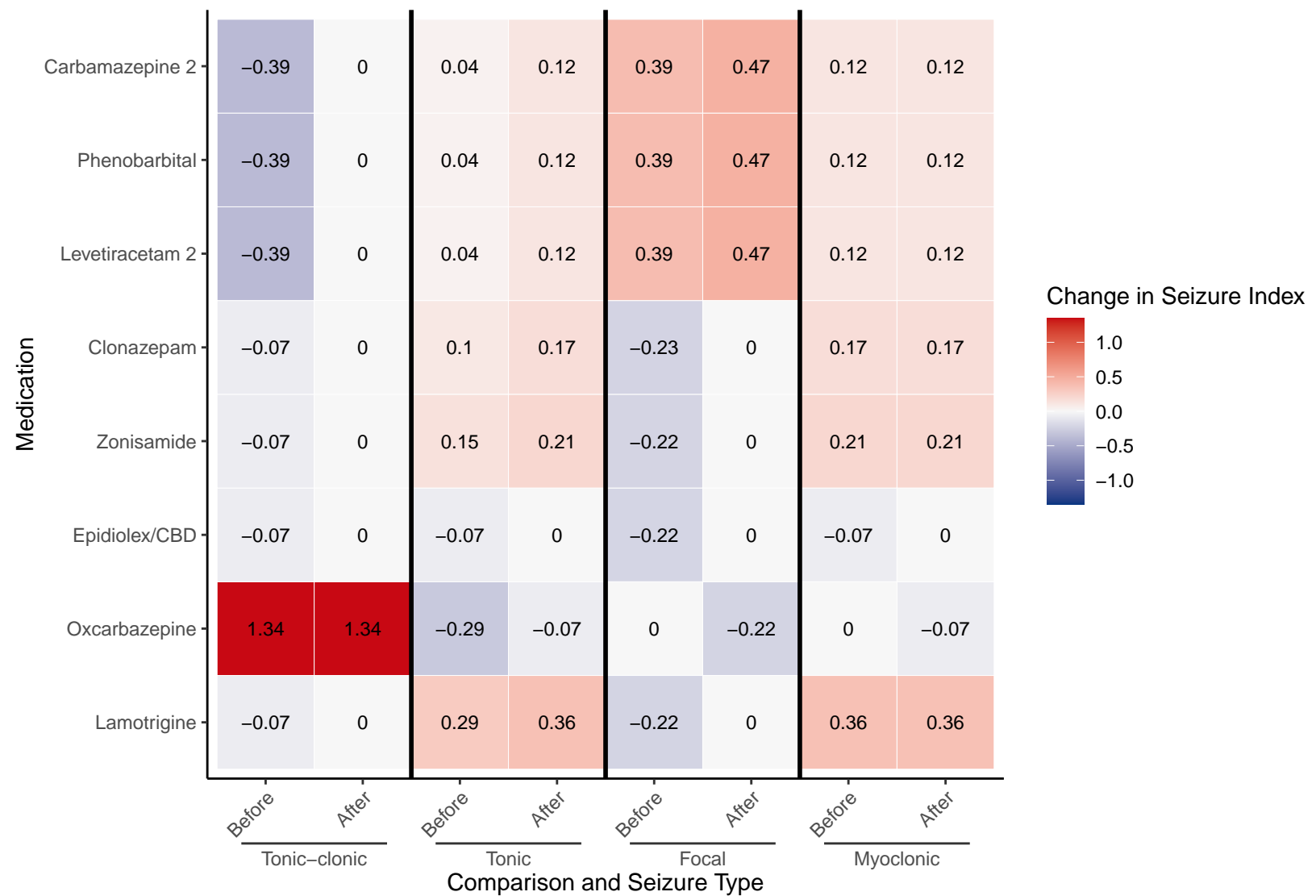


Seizure Index



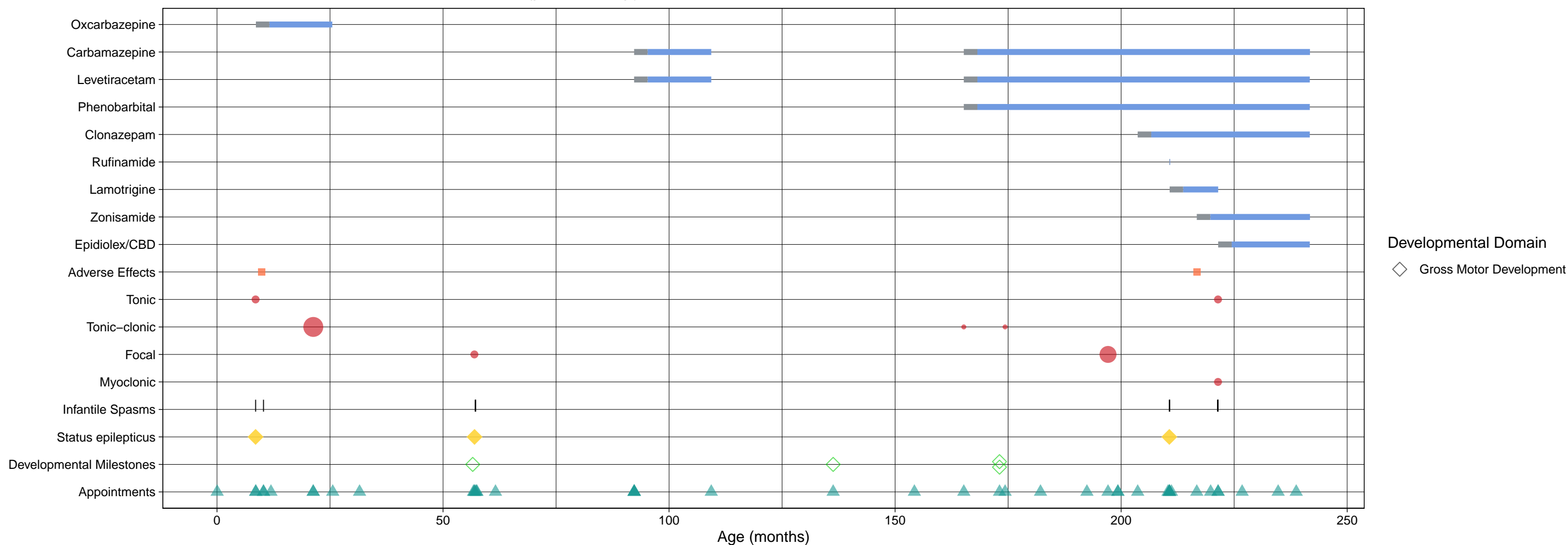
Age (months)

Seizure Index Comparisons

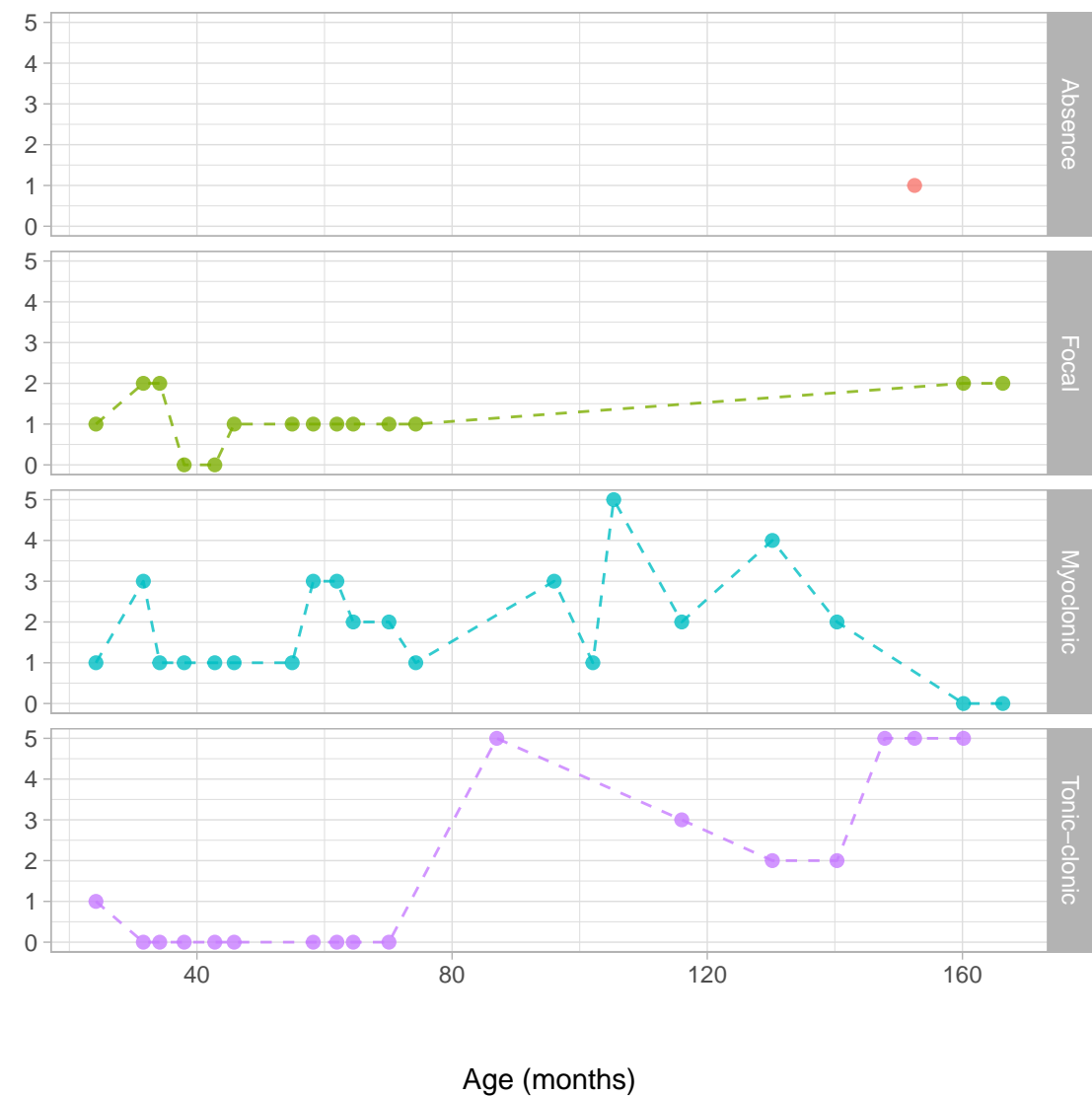


Comparison and Seizure Type

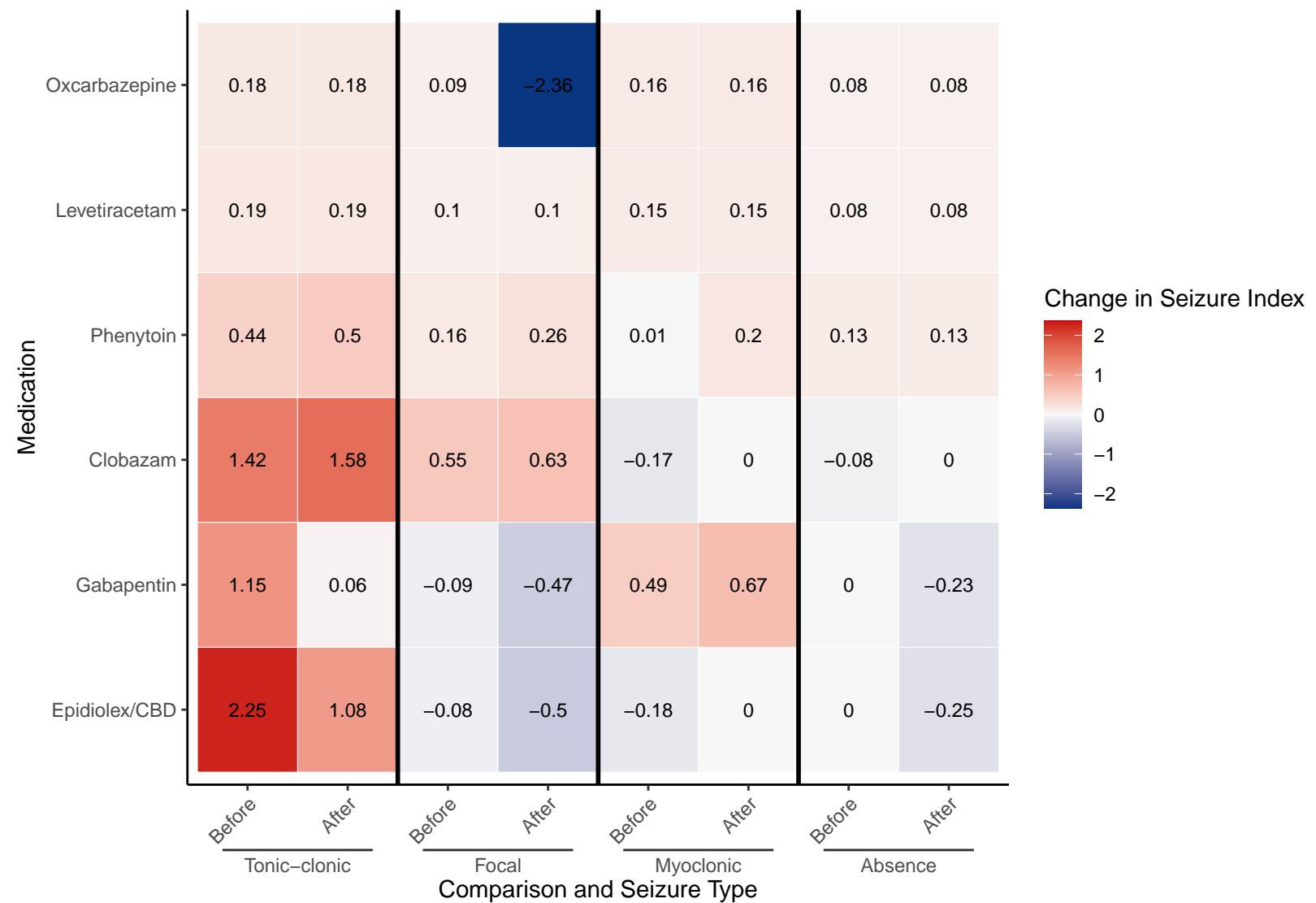
0ca73c00-6d87-4dda-962a-770faa0782d2 (p.Leu848Trp)



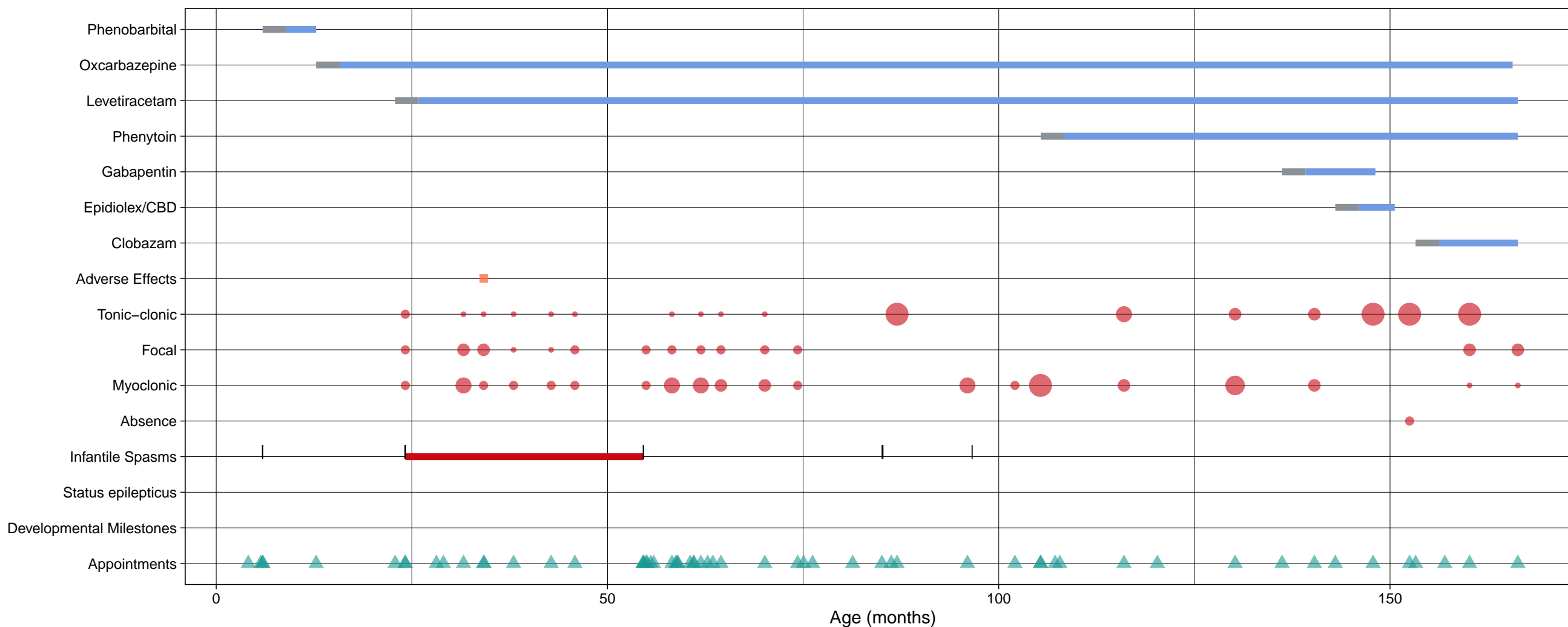
Seizure Index



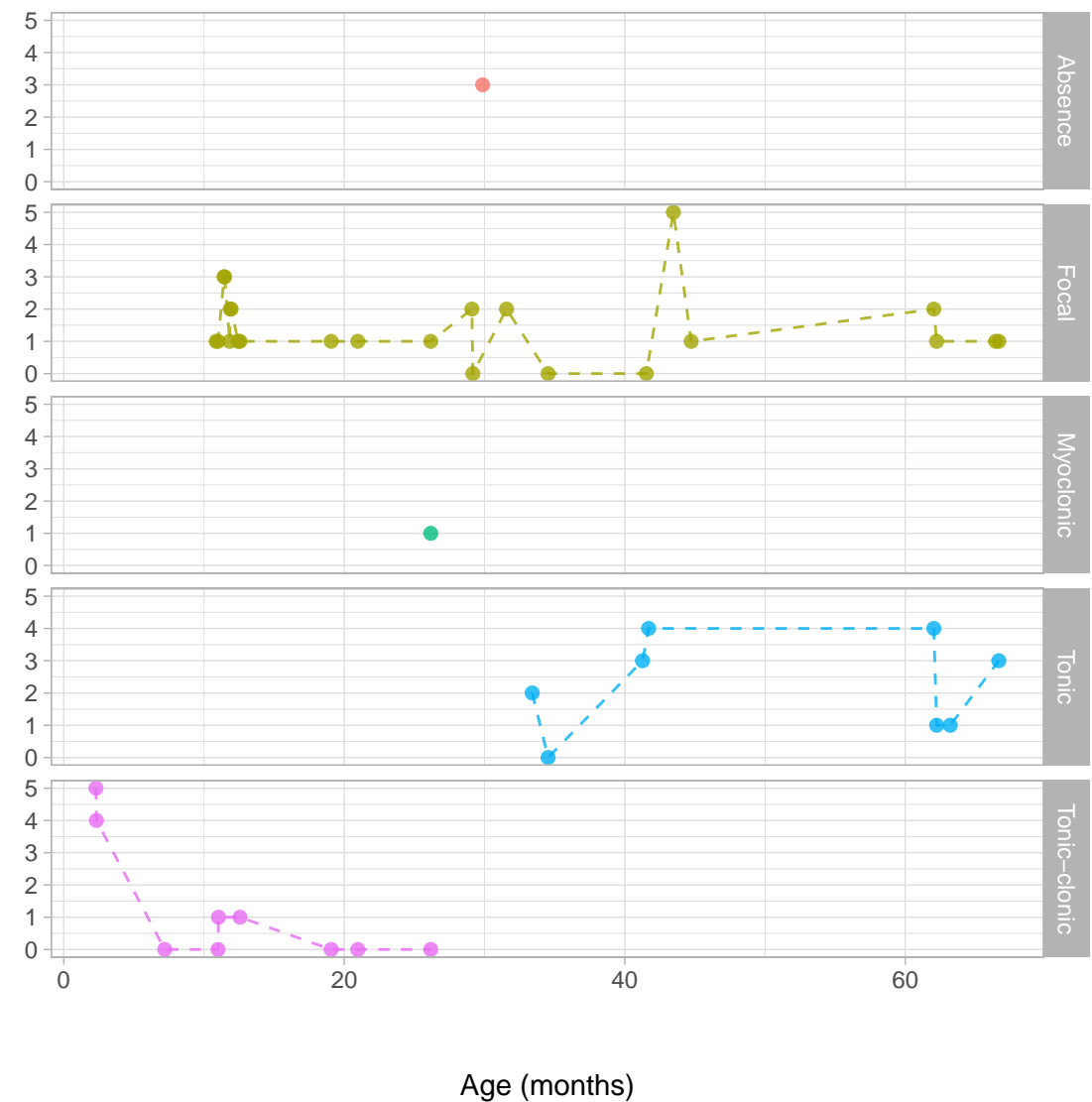
Seizure Index Comparisons



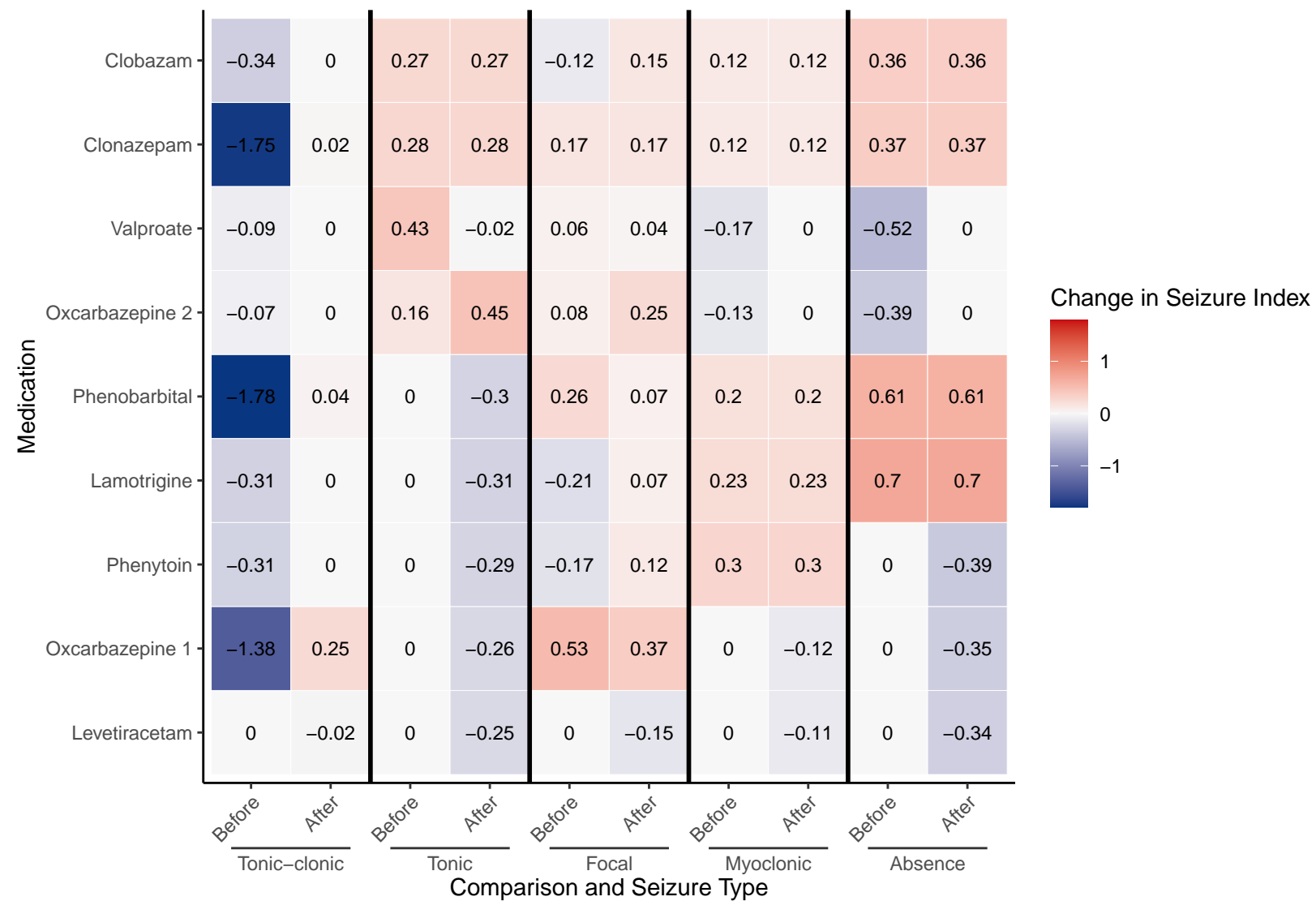
a78e0fd2-2e75-464e-b60a-7f9ab86dc408 (p.Arg850Gln) - IF



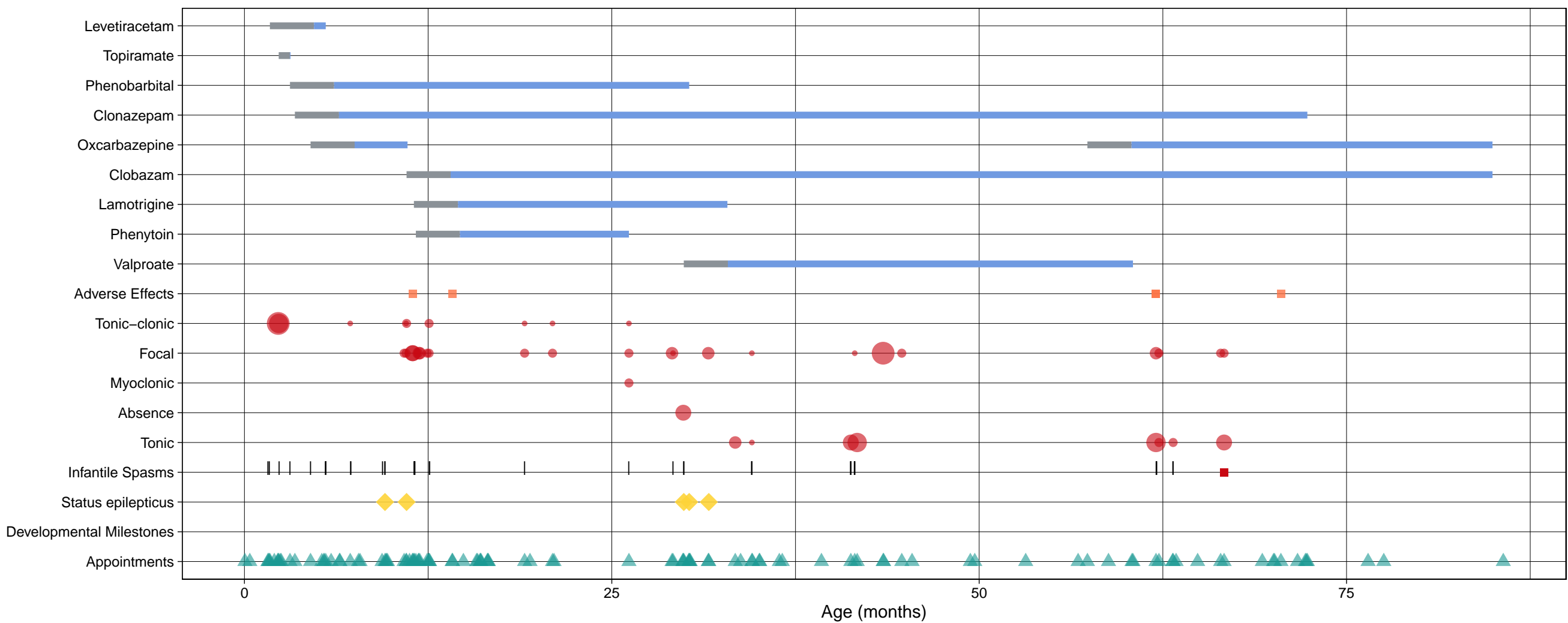
Seizure Index



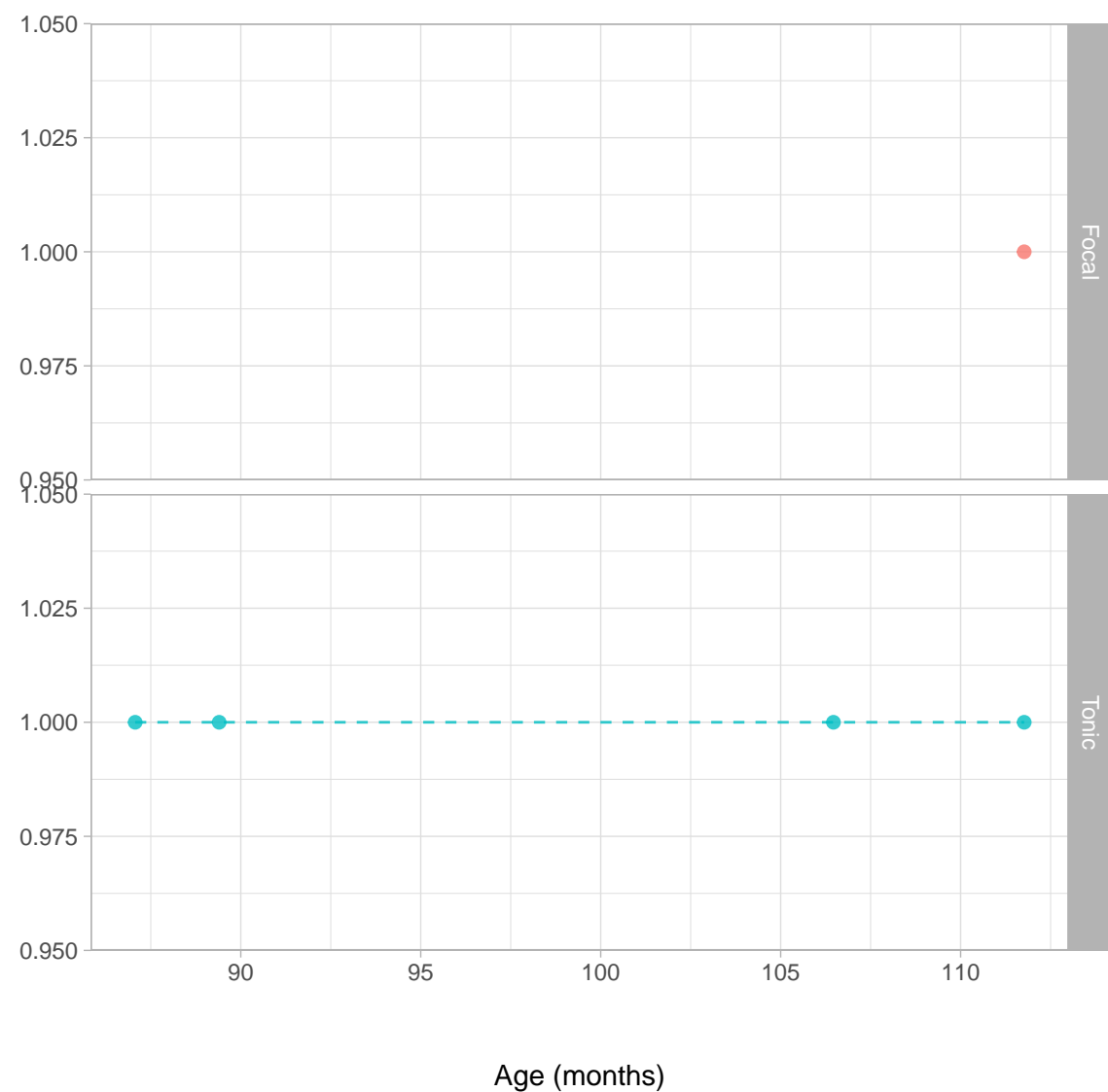
Seizure Index Comparisons



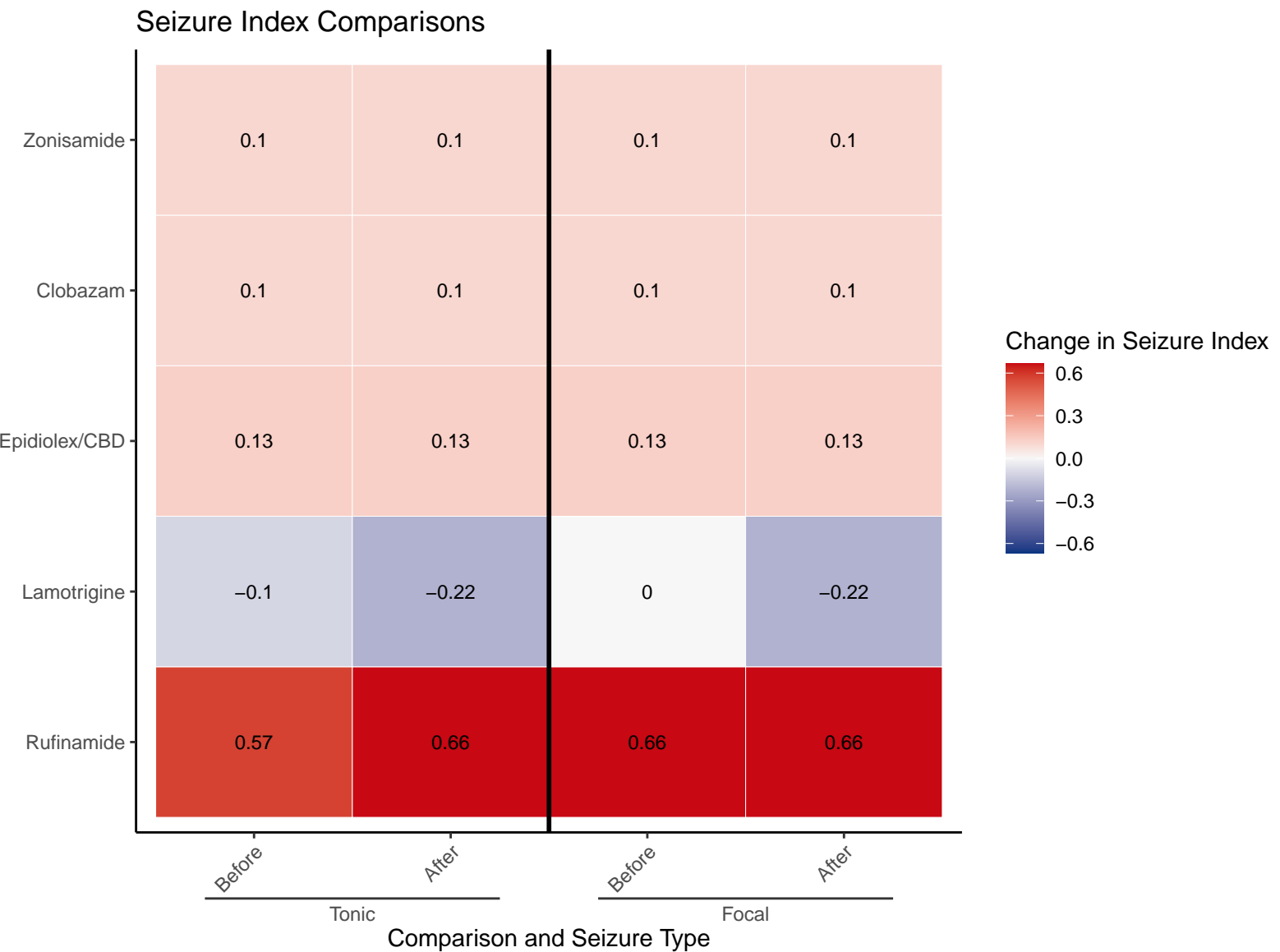
a0db758a-9a41-4a88-b57e-9f2e5f29bf78 (p.Ile868Thr)



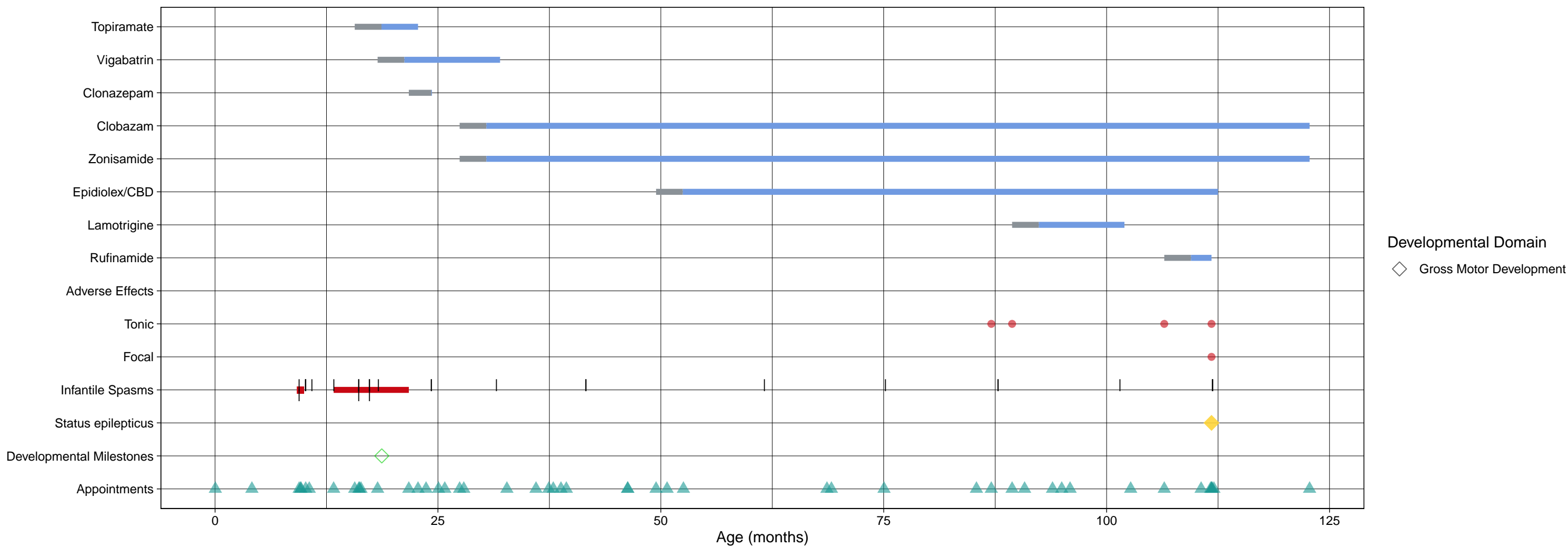
Seizure Index

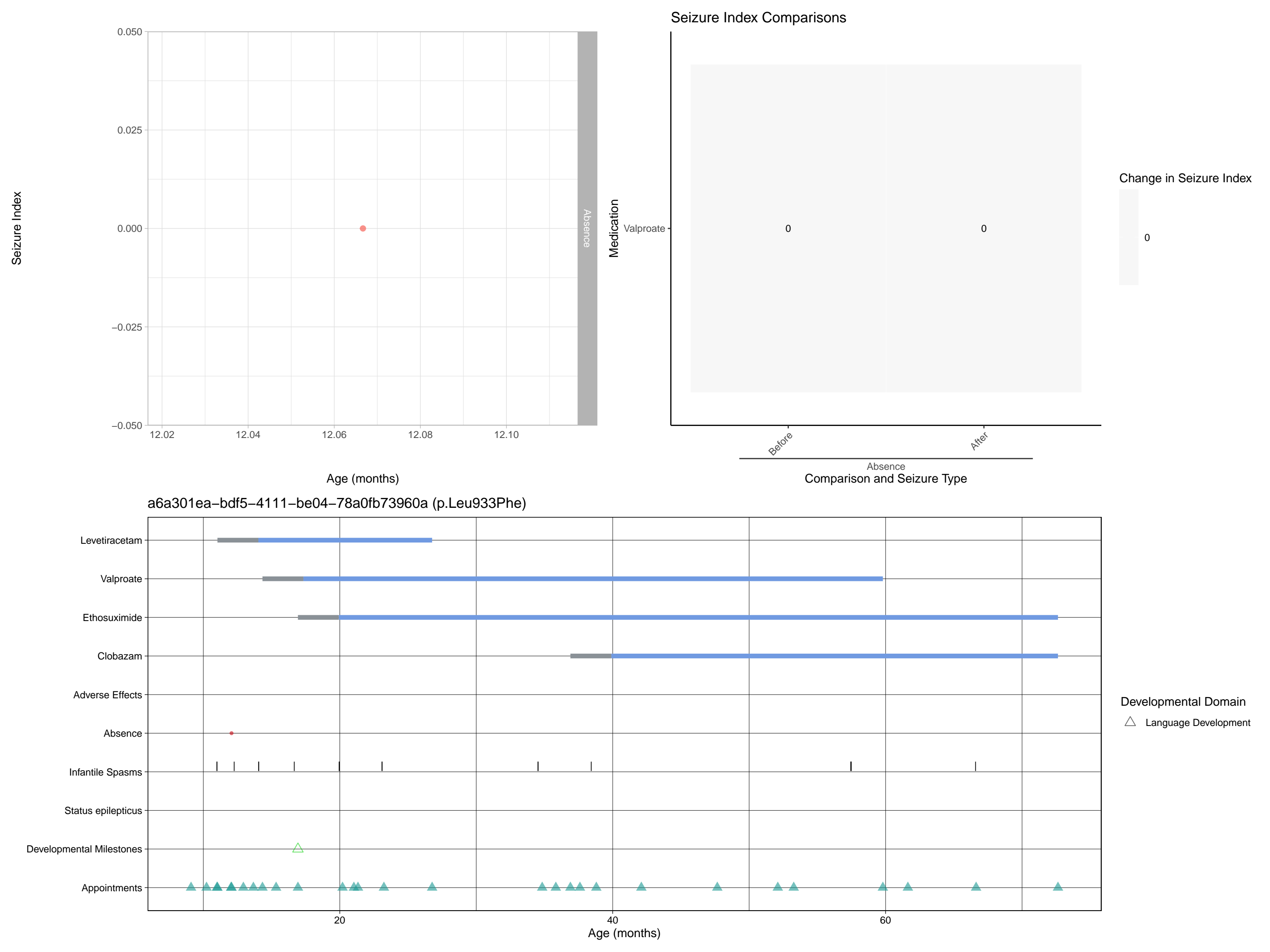


Medication

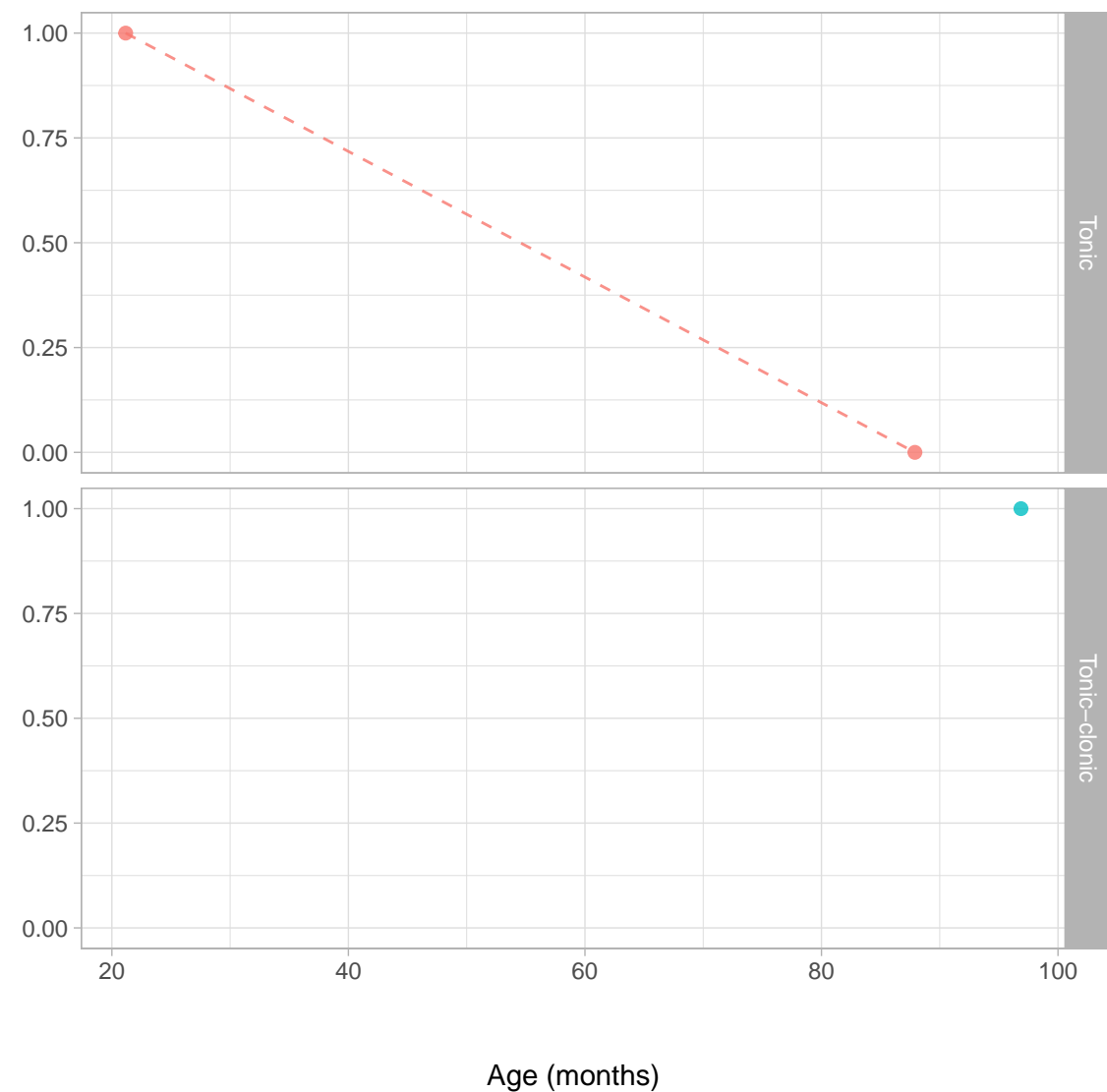


ef4aa67a-8421-4e40-92eb-44c60305fde6 (p.Val881Ala) - IF

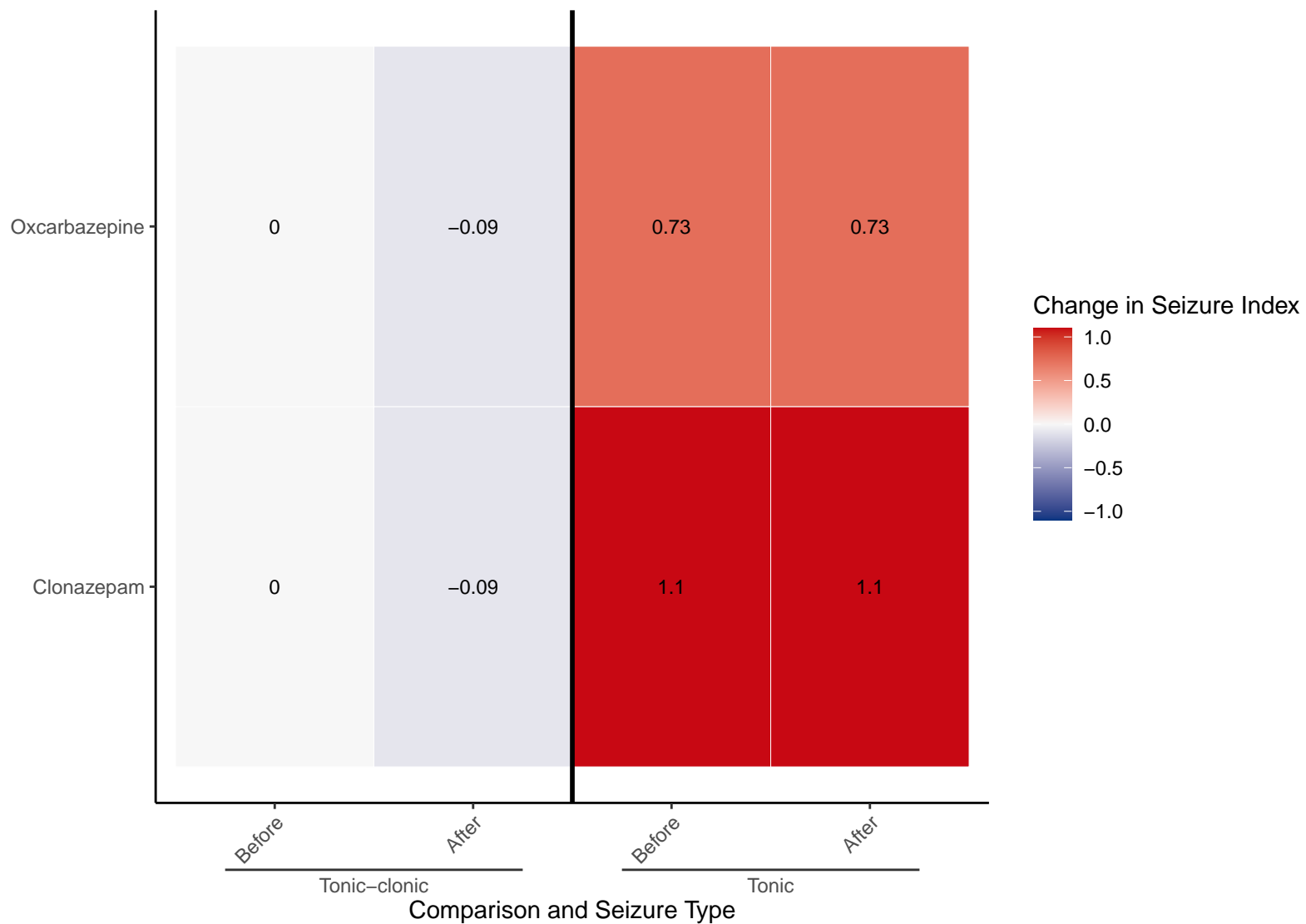




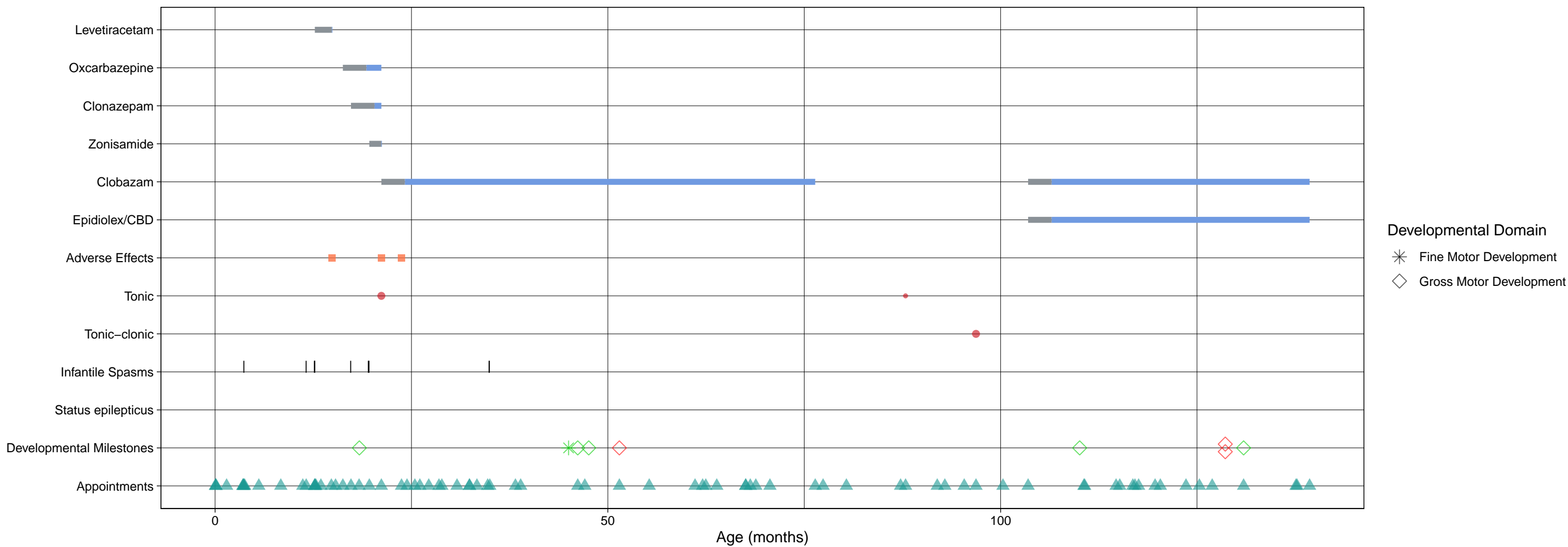
Seizure Index



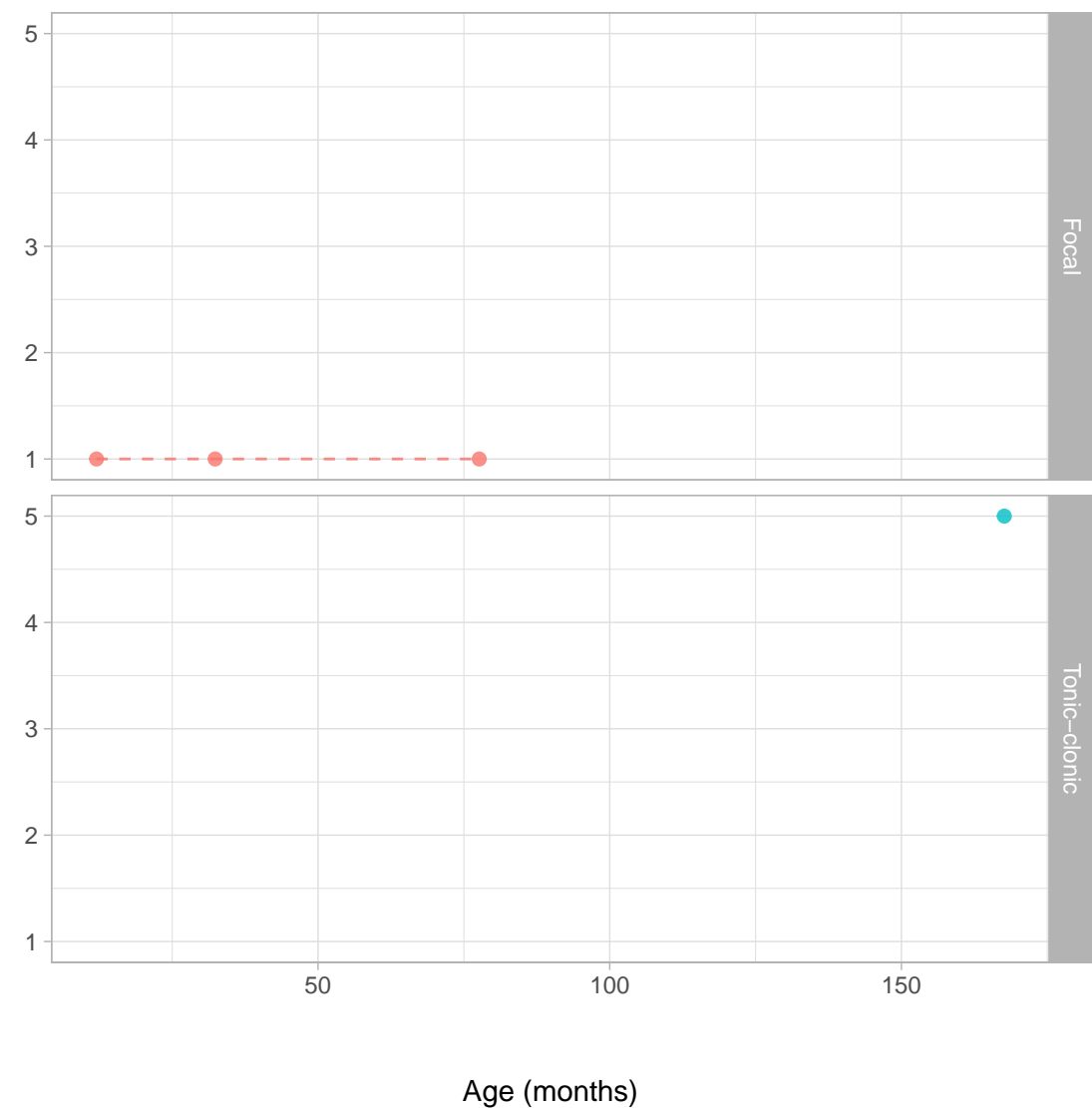
Seizure Index Comparisons



5c8bb15f-1f87-41a1-8932-ff18afdba917 (p.Gly1050Ser)



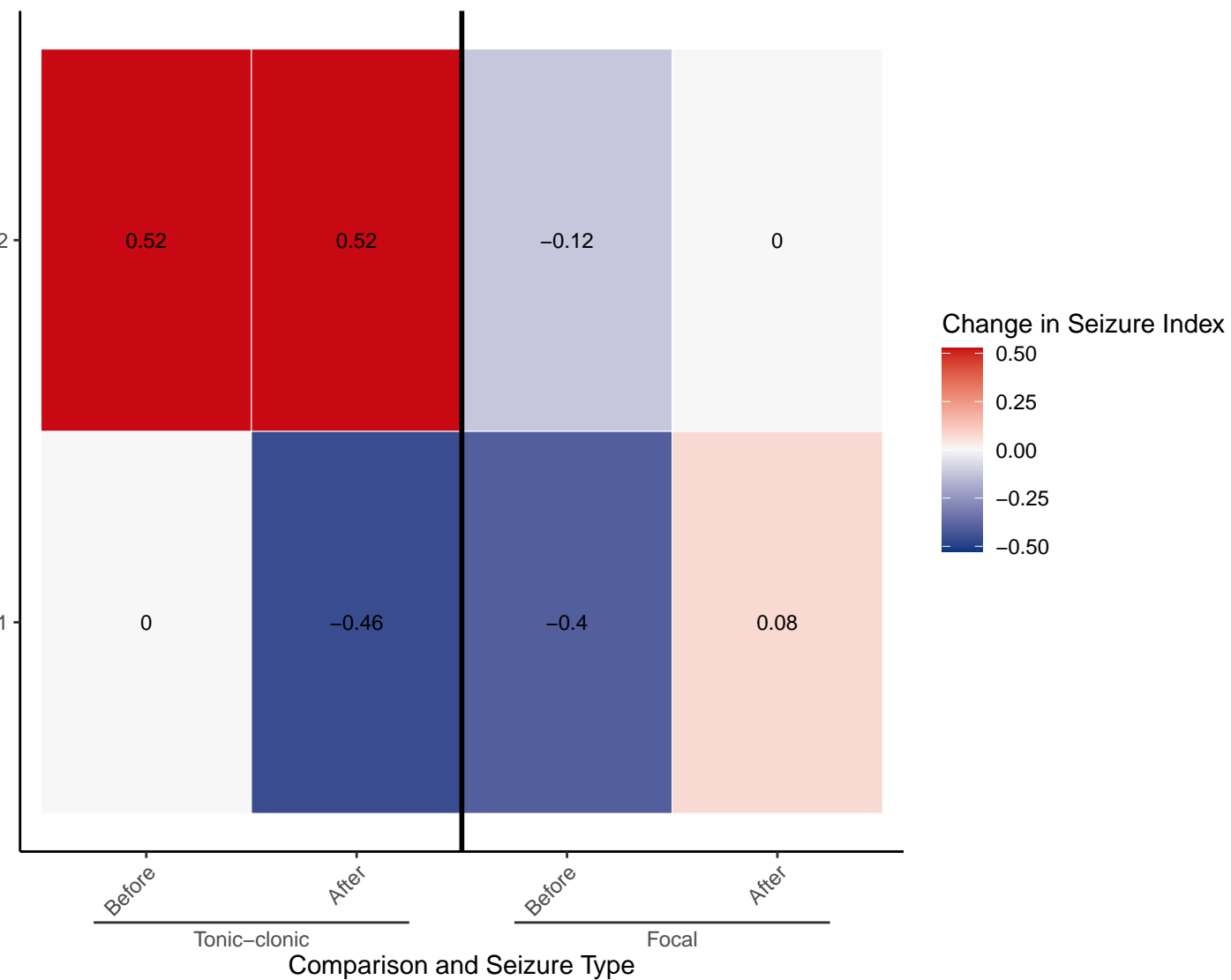
Seizure Index



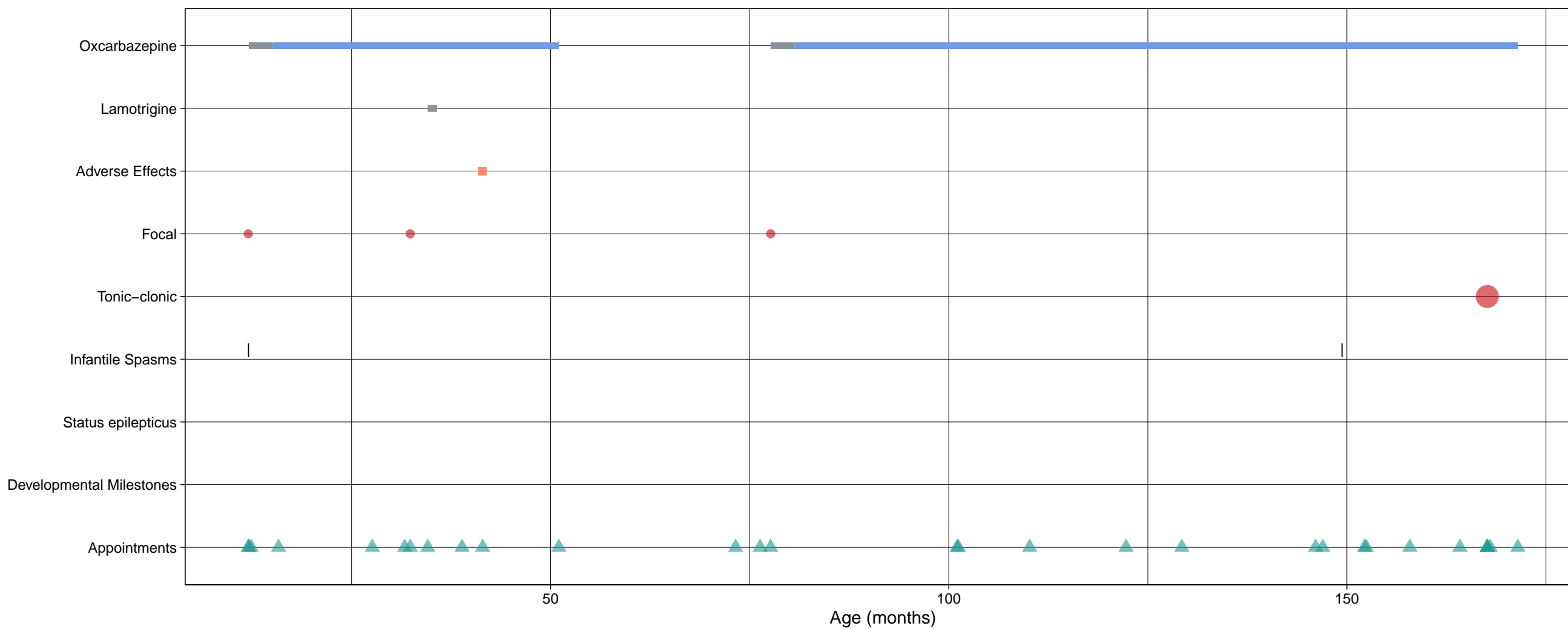
Medication

Oxcarbazepine 2
Oxcarbazepine 1

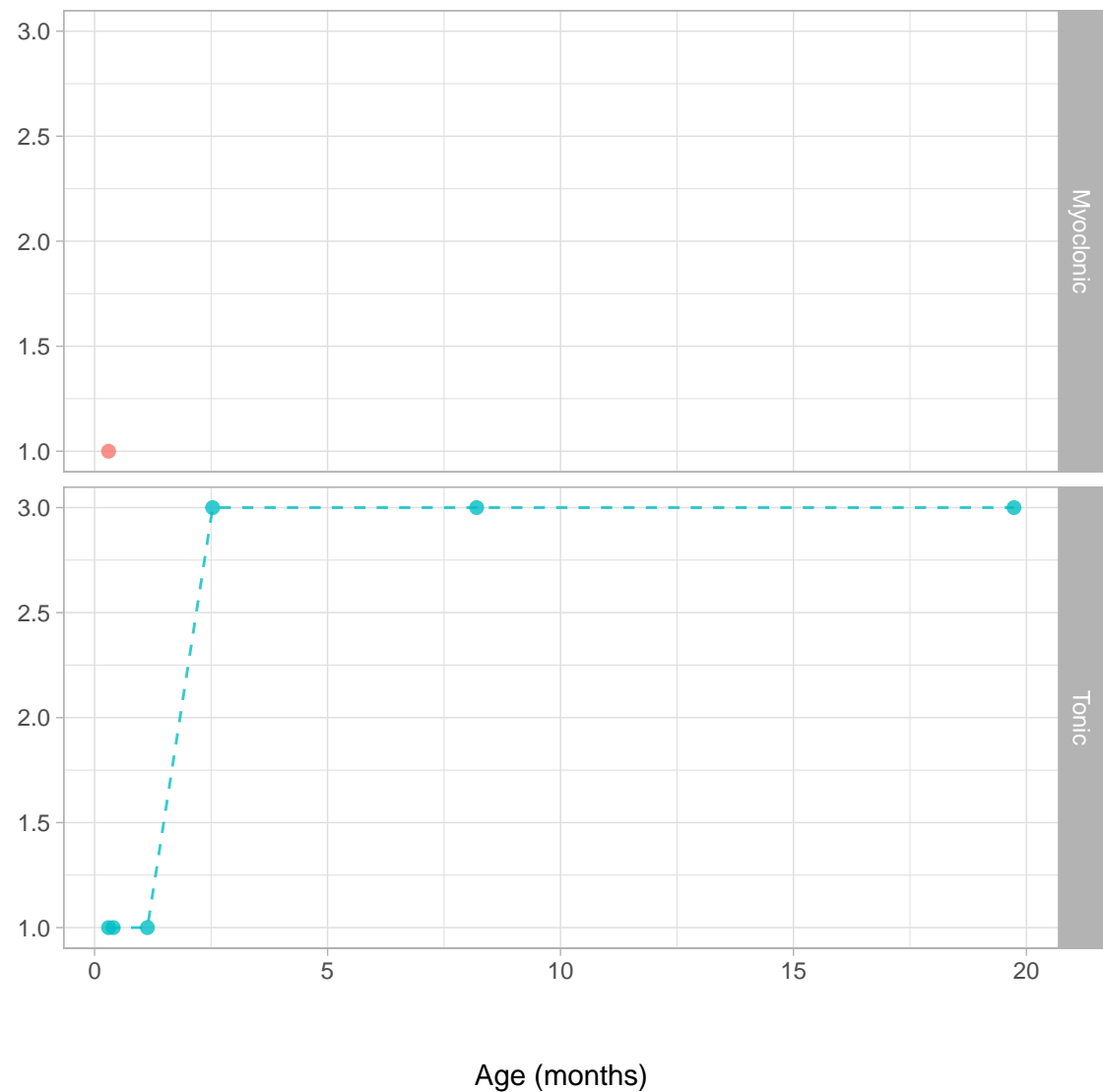
Seizure Index Comparisons



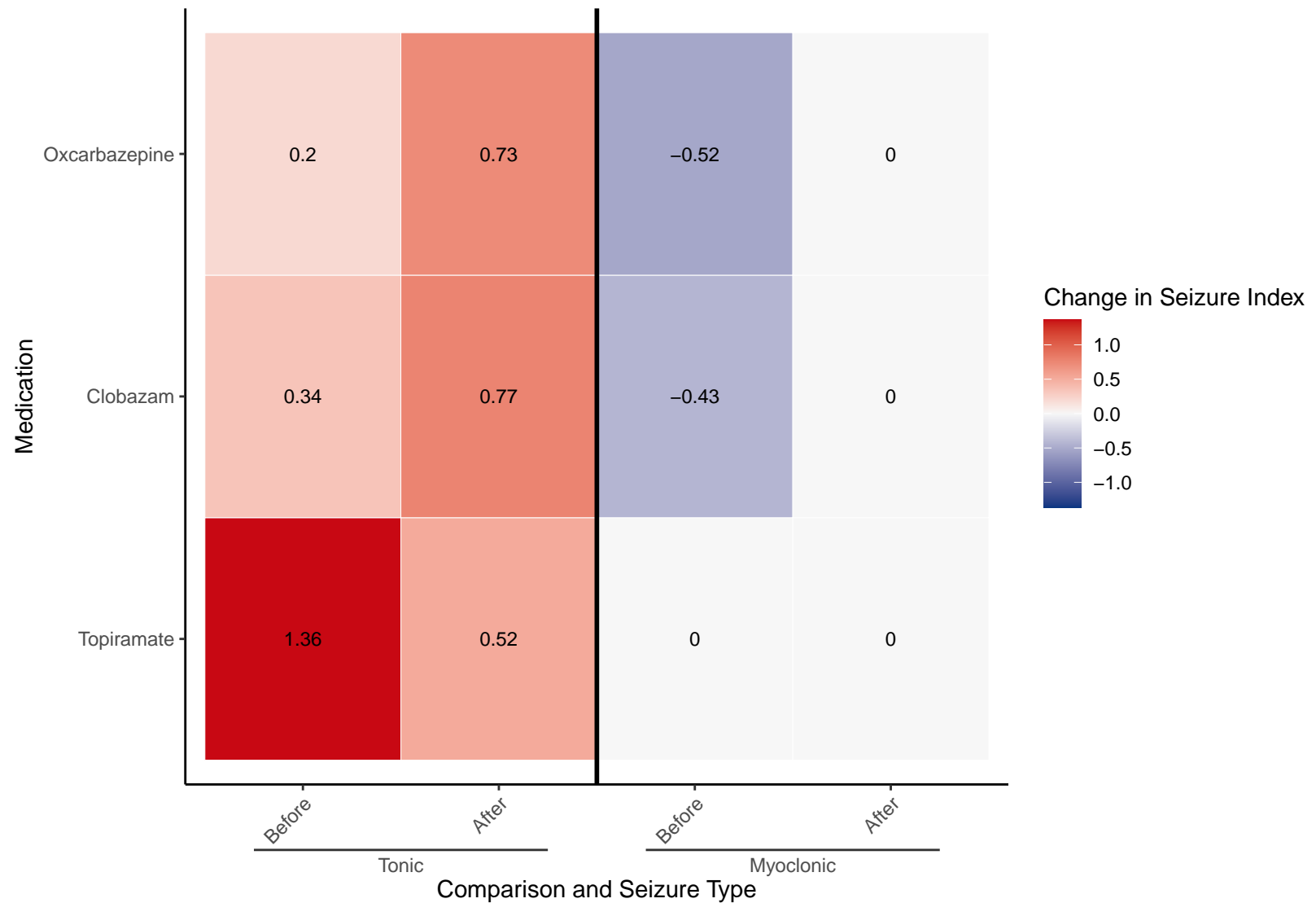
1e5d723d-eba3-4b9a-b732-b6a2dae83ced (p.Ala1323Thr)



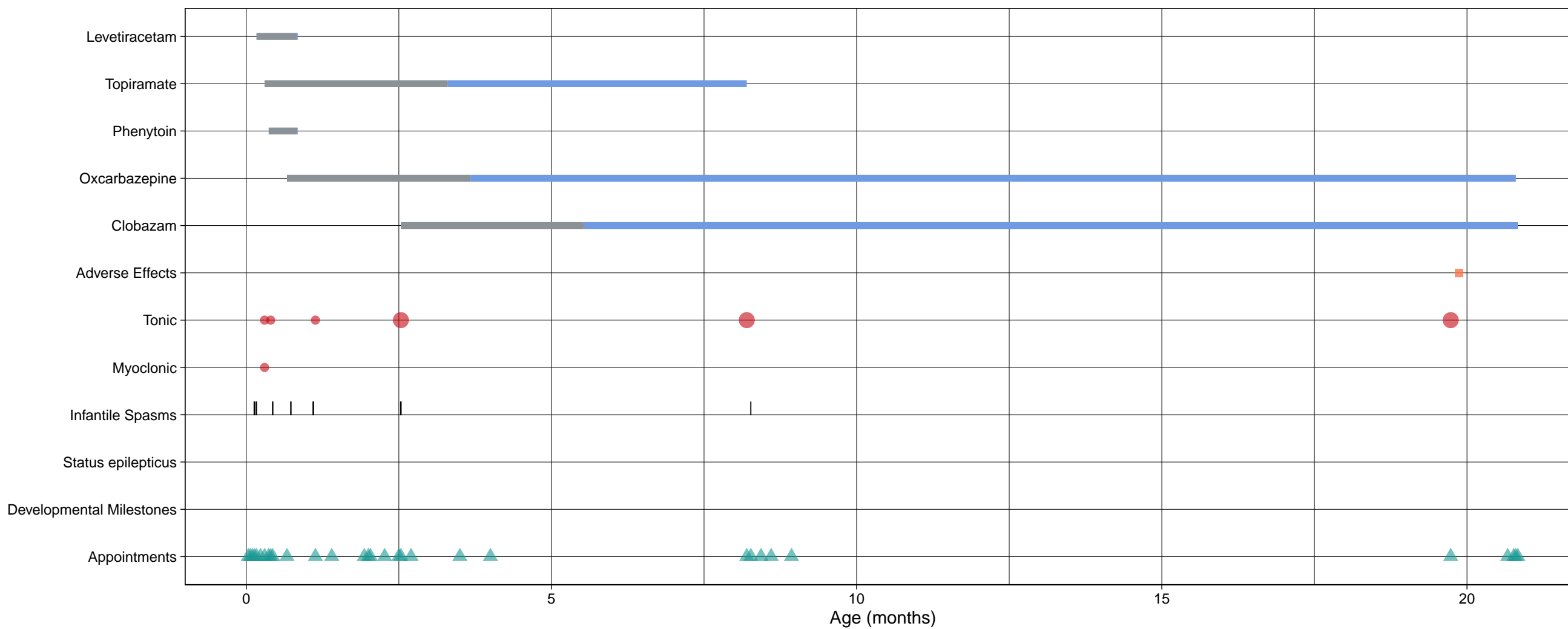
Seizure Index

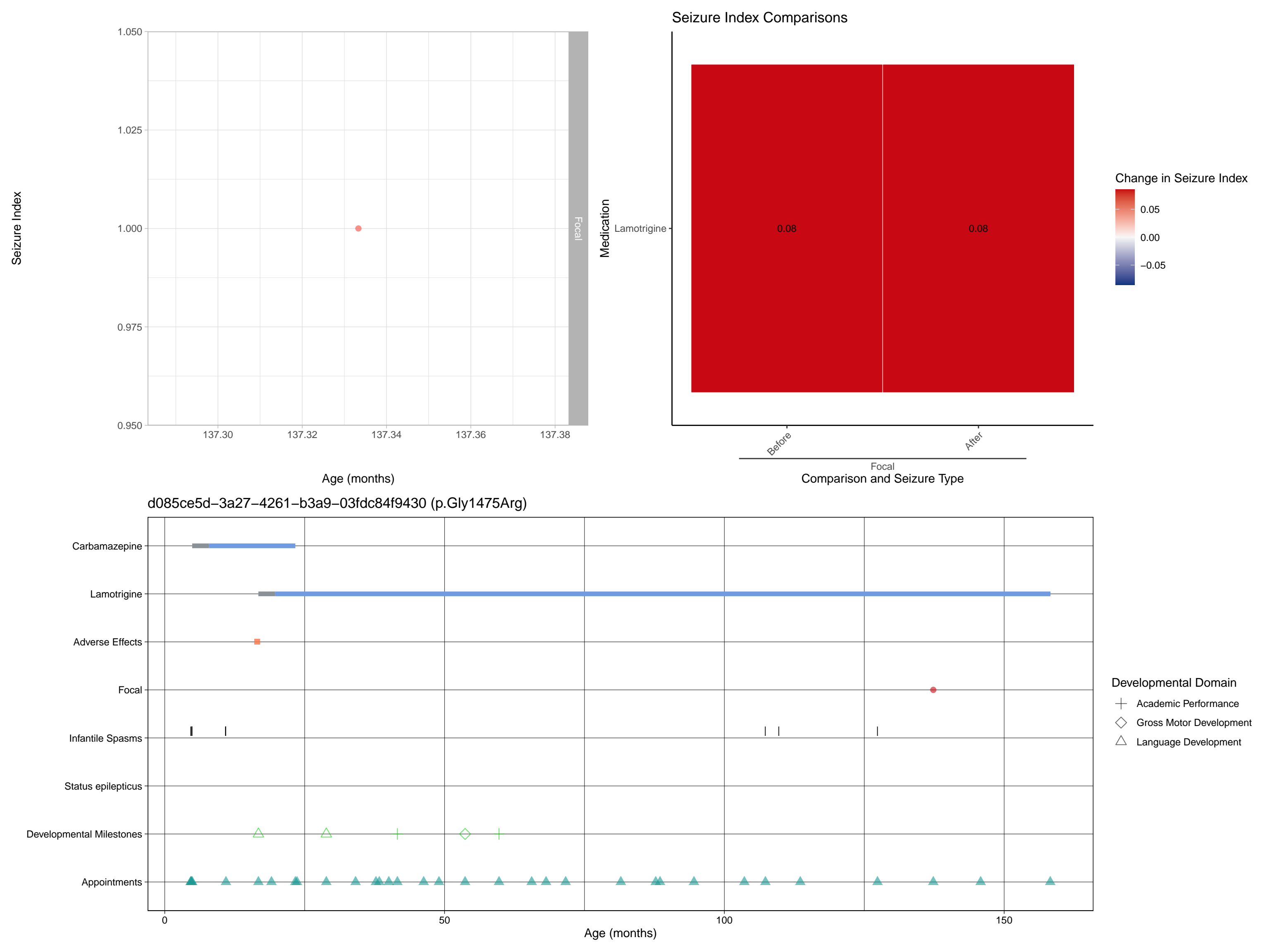


Seizure Index Comparisons

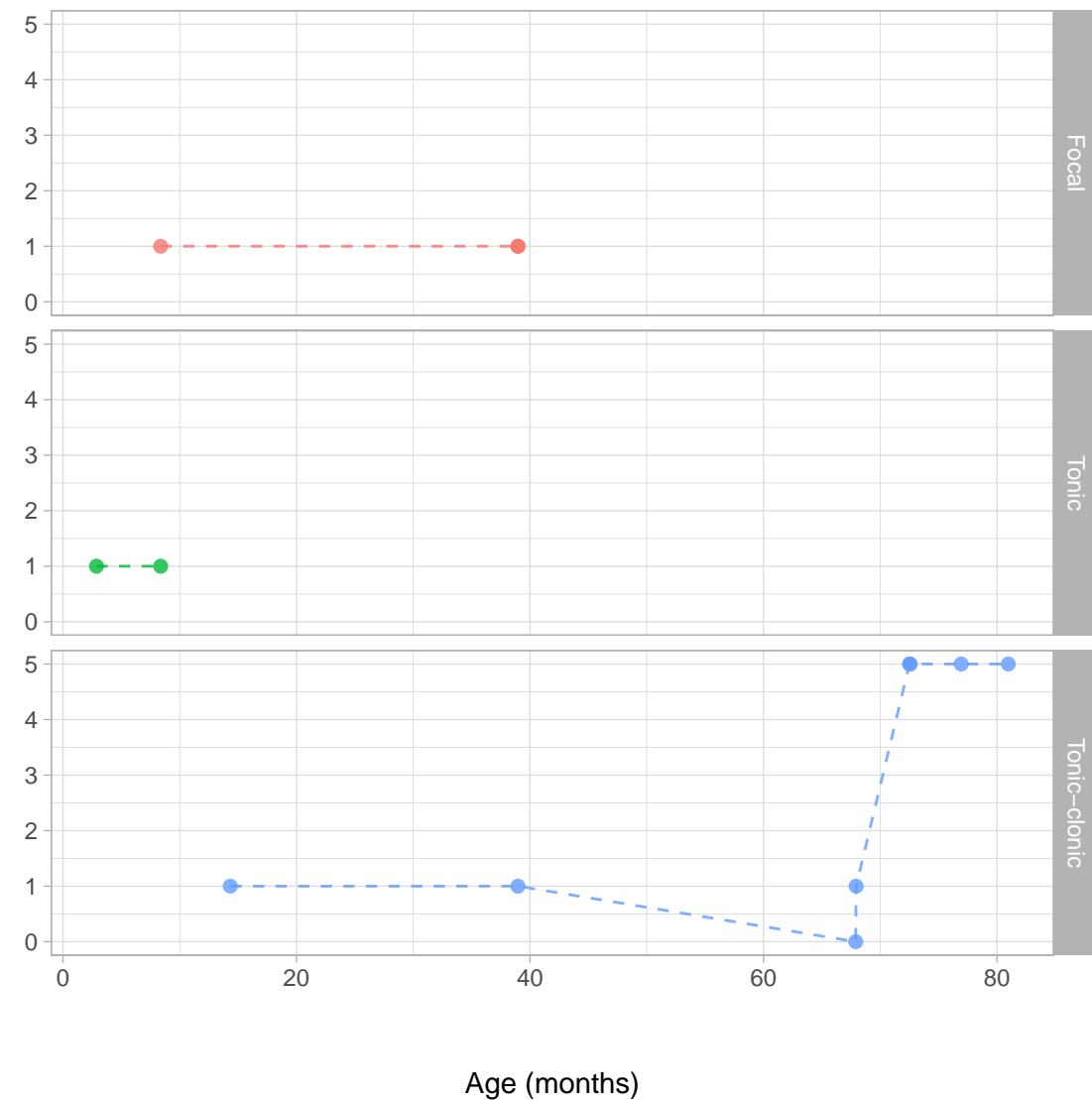


5ba9555a-4f9c-45fa-945f-02c679614e18 (p.Glu1381Lys)

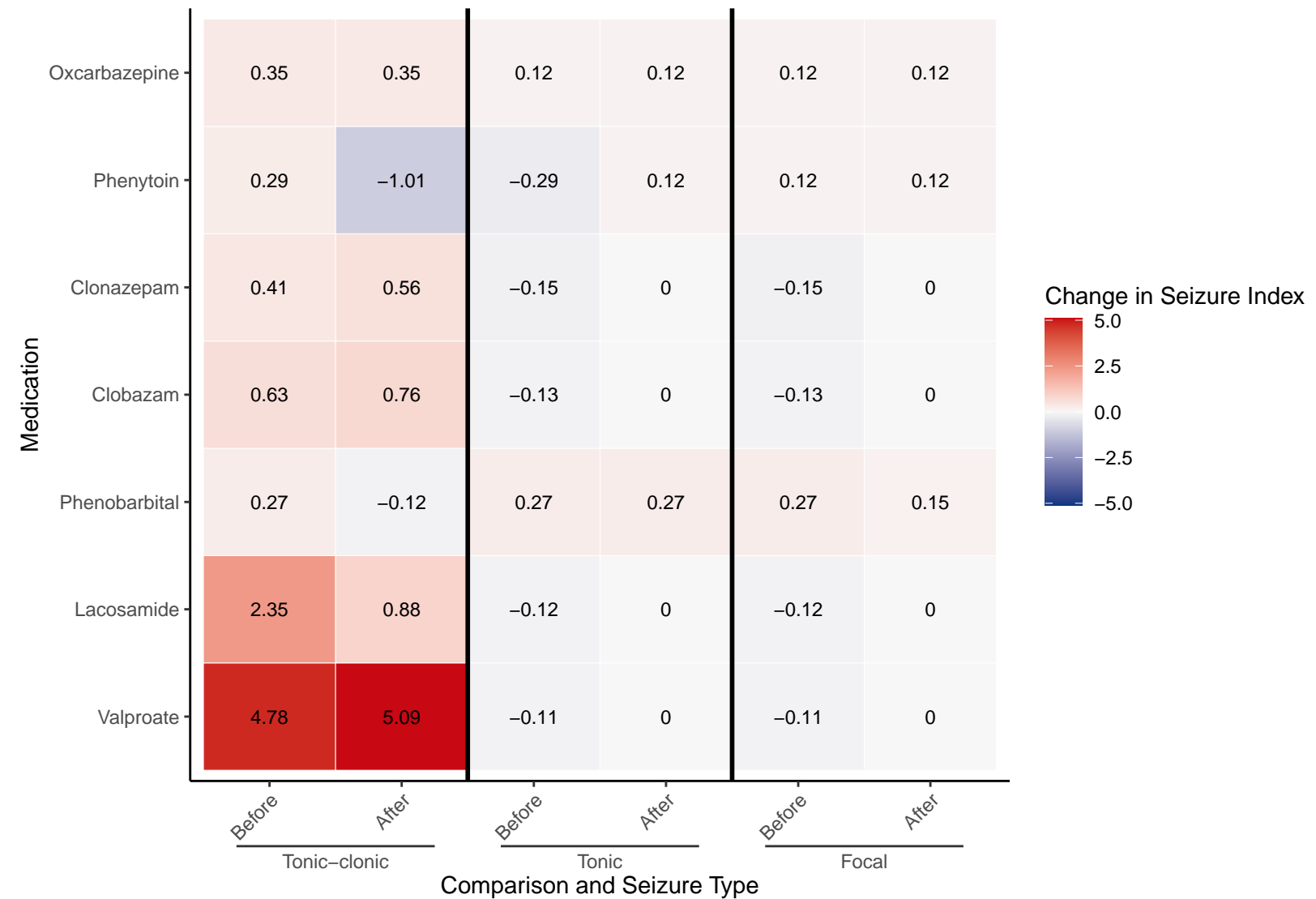




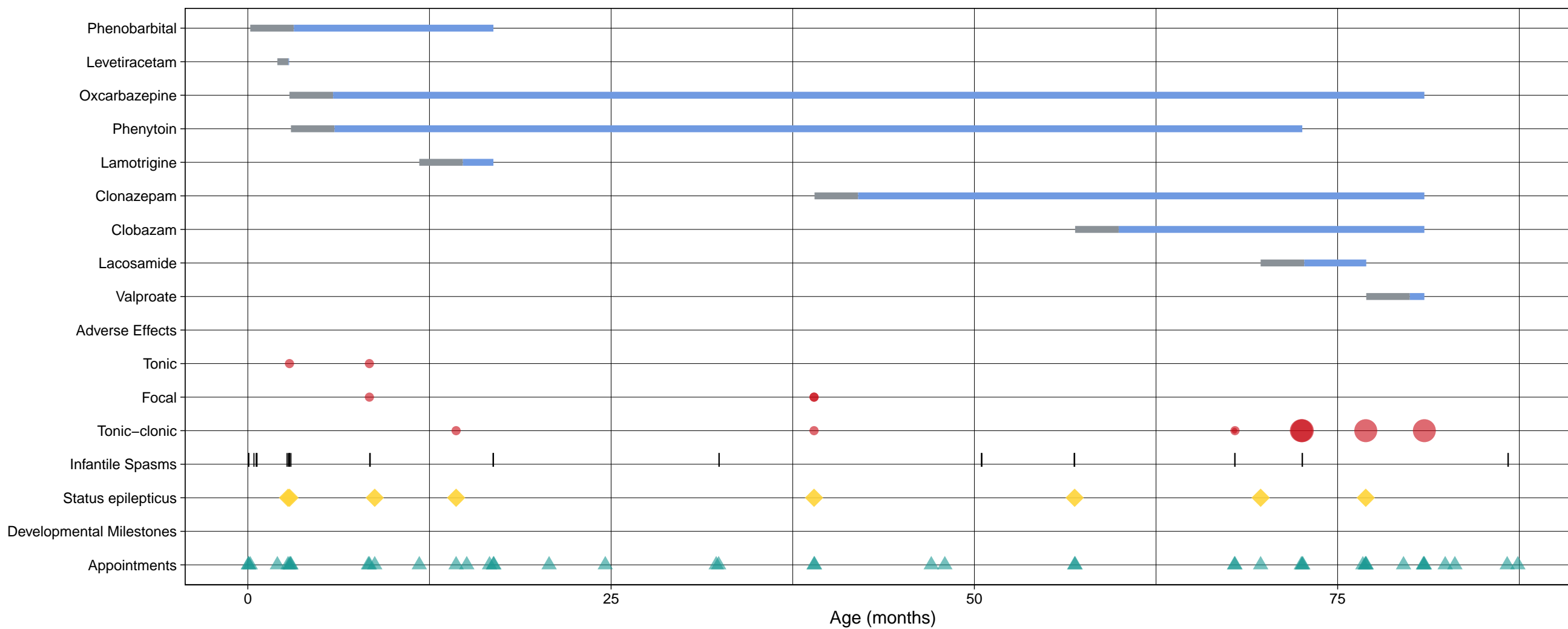
Seizure Index



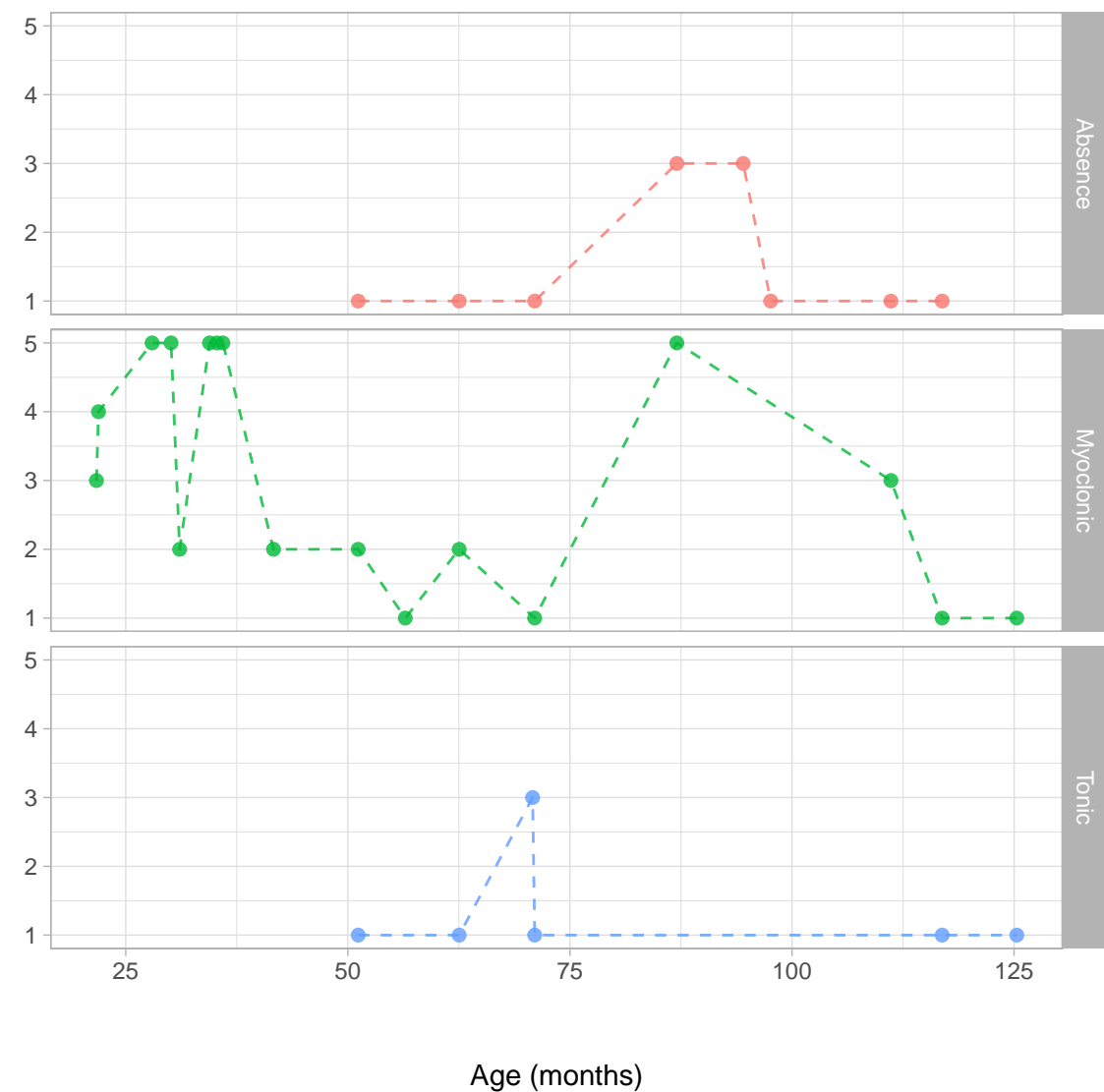
Seizure Index Comparisons



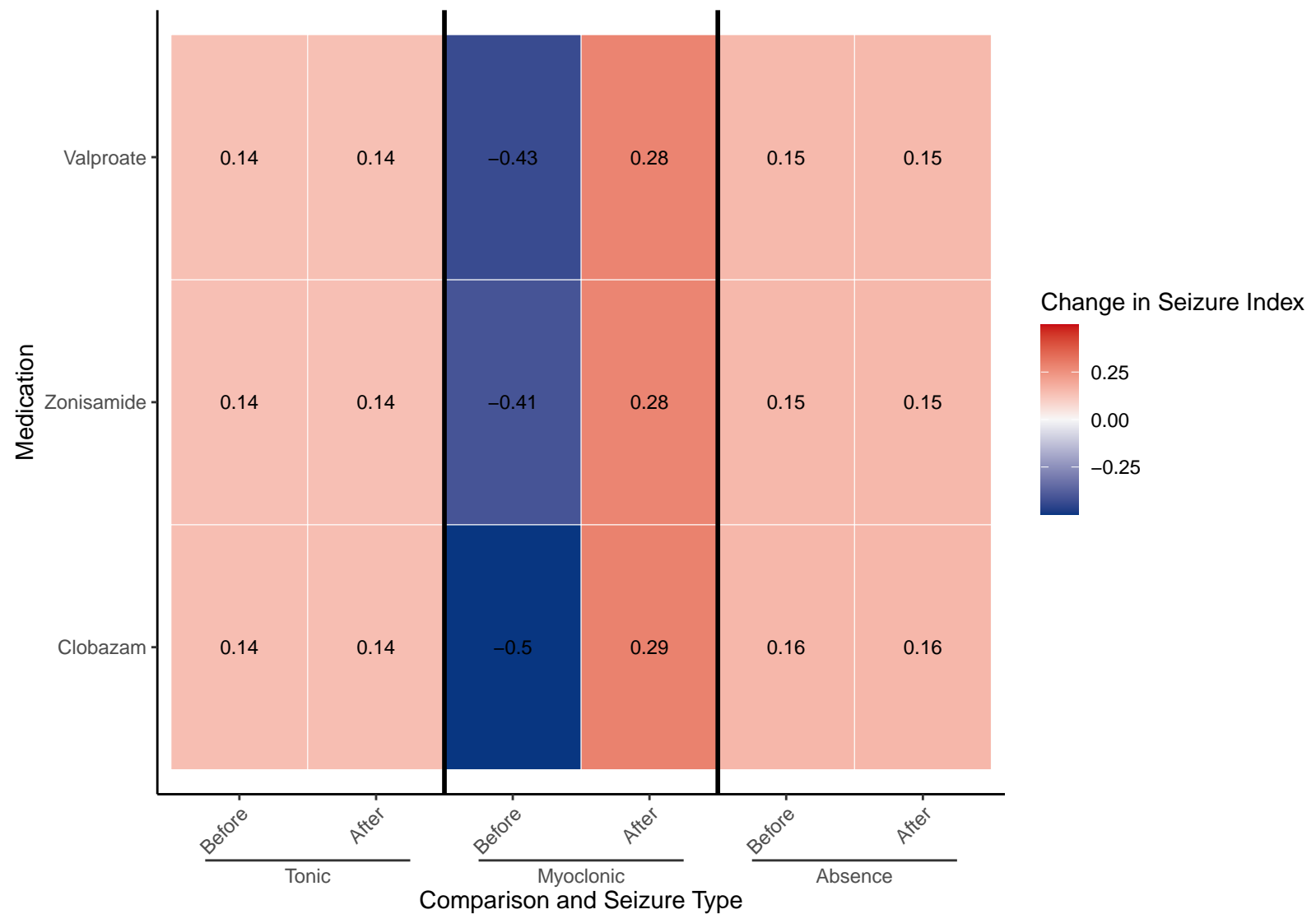
0cccd19cb-69fa-491f-97c7-14fd3f1dcef5 (p.Ile1479Val)



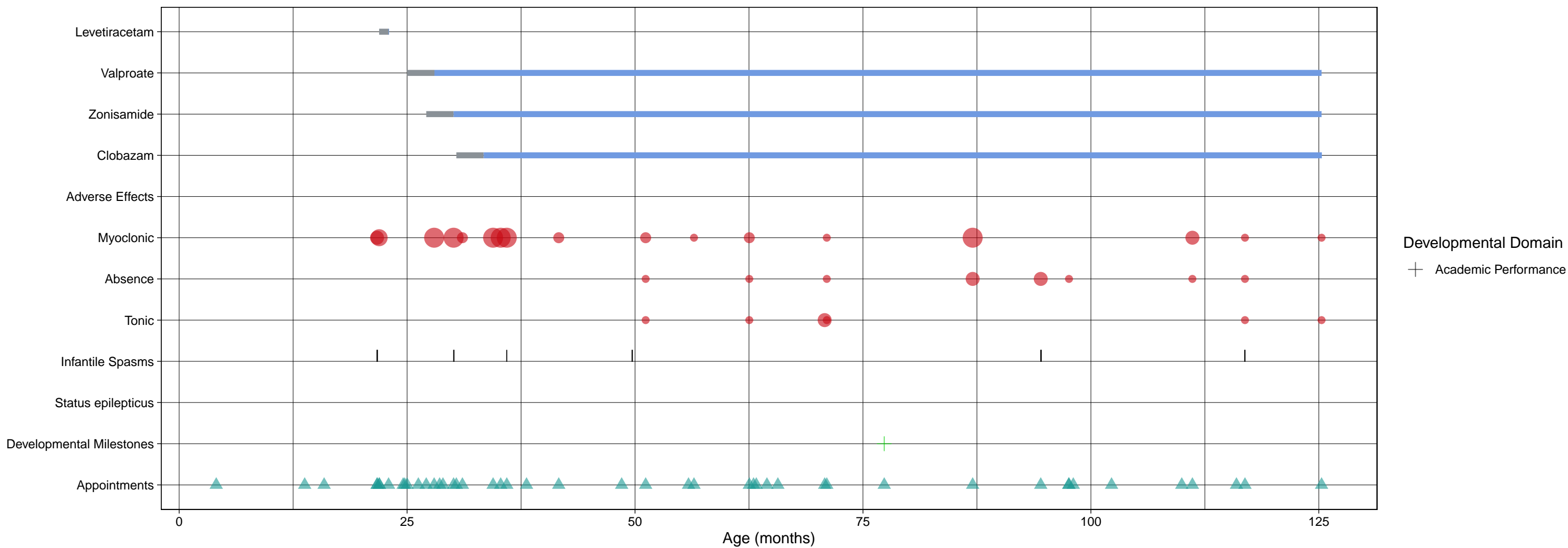
Seizure Index



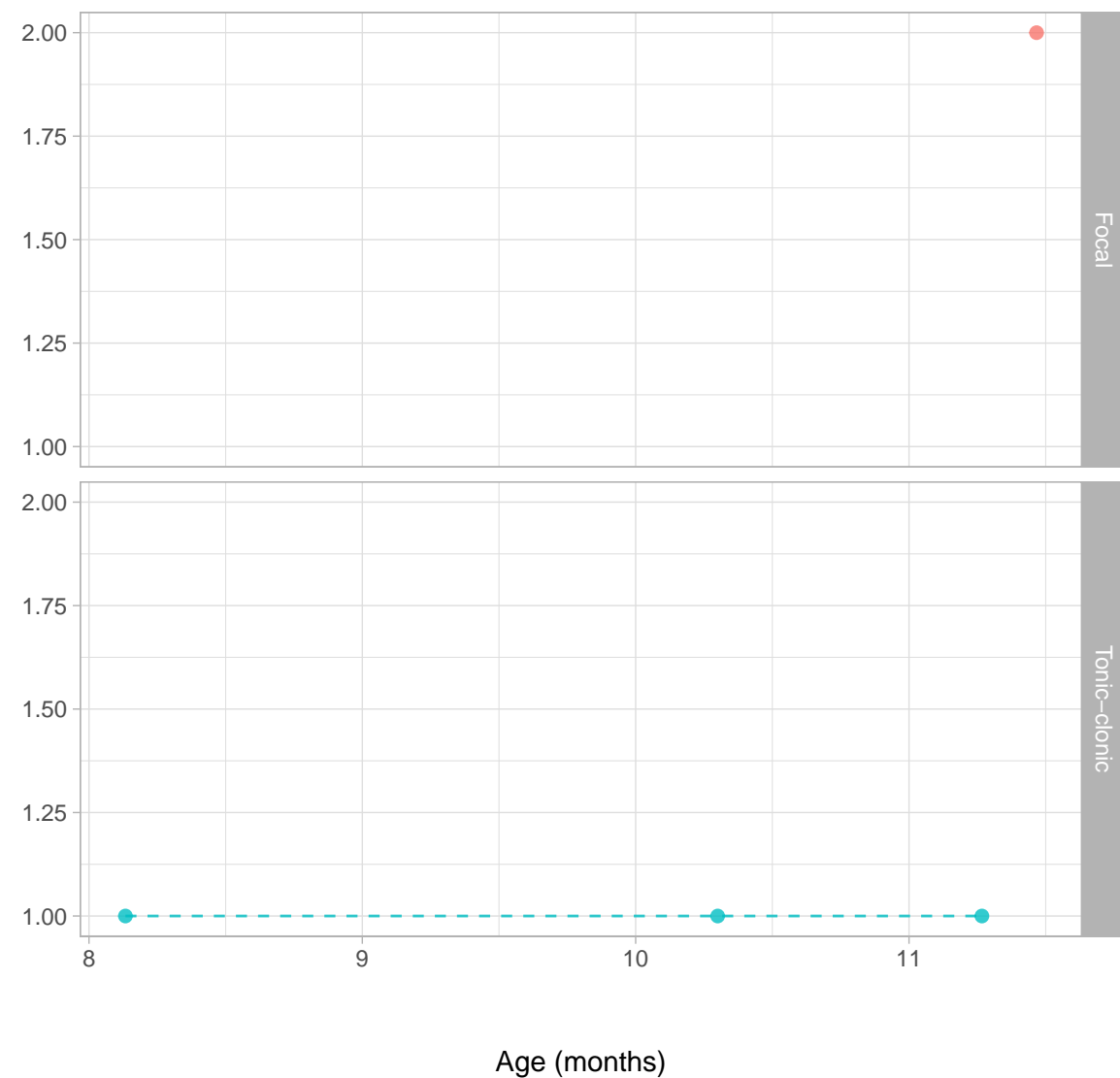
Seizure Index Comparisons



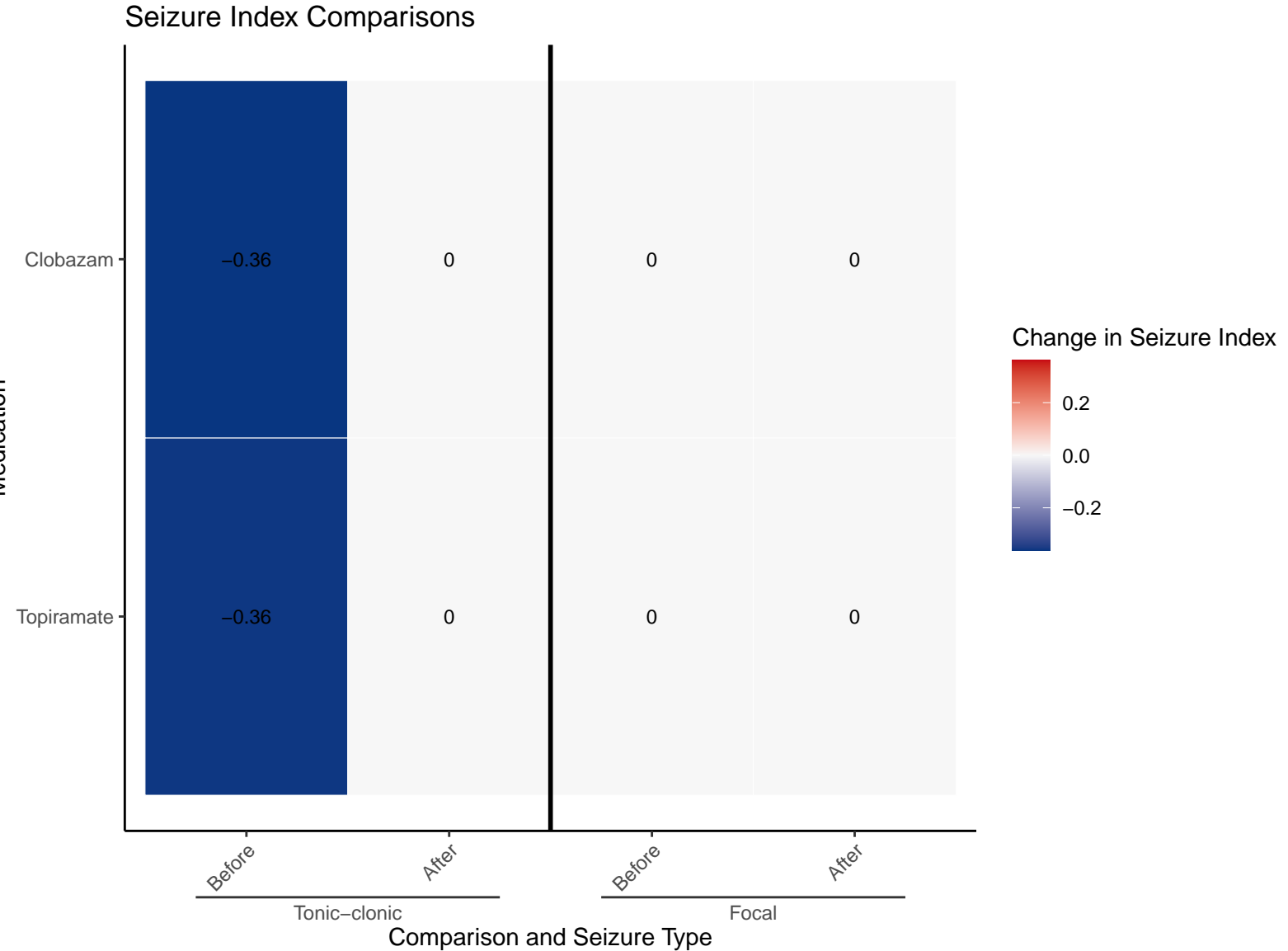
47c27adc-27bd-41df-b39c-ae70495716cb (p.Ile1594Leu)



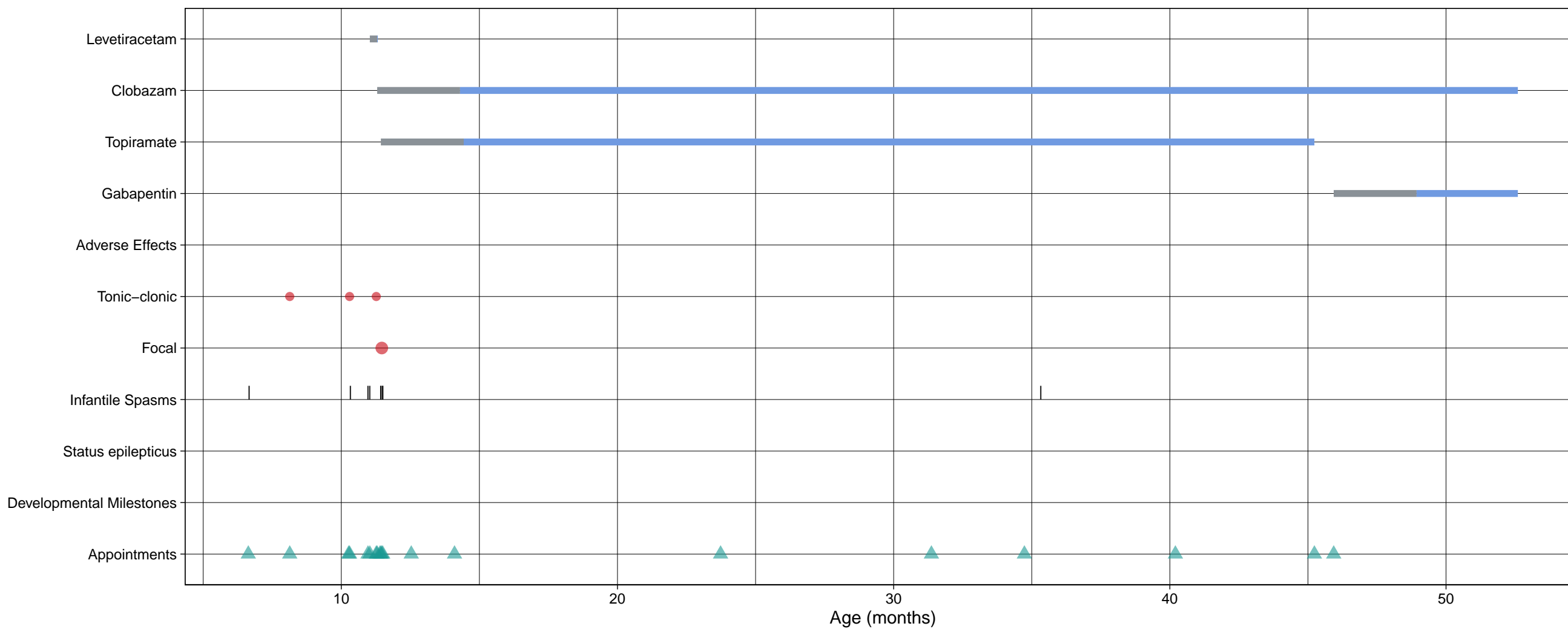
Seizure Index



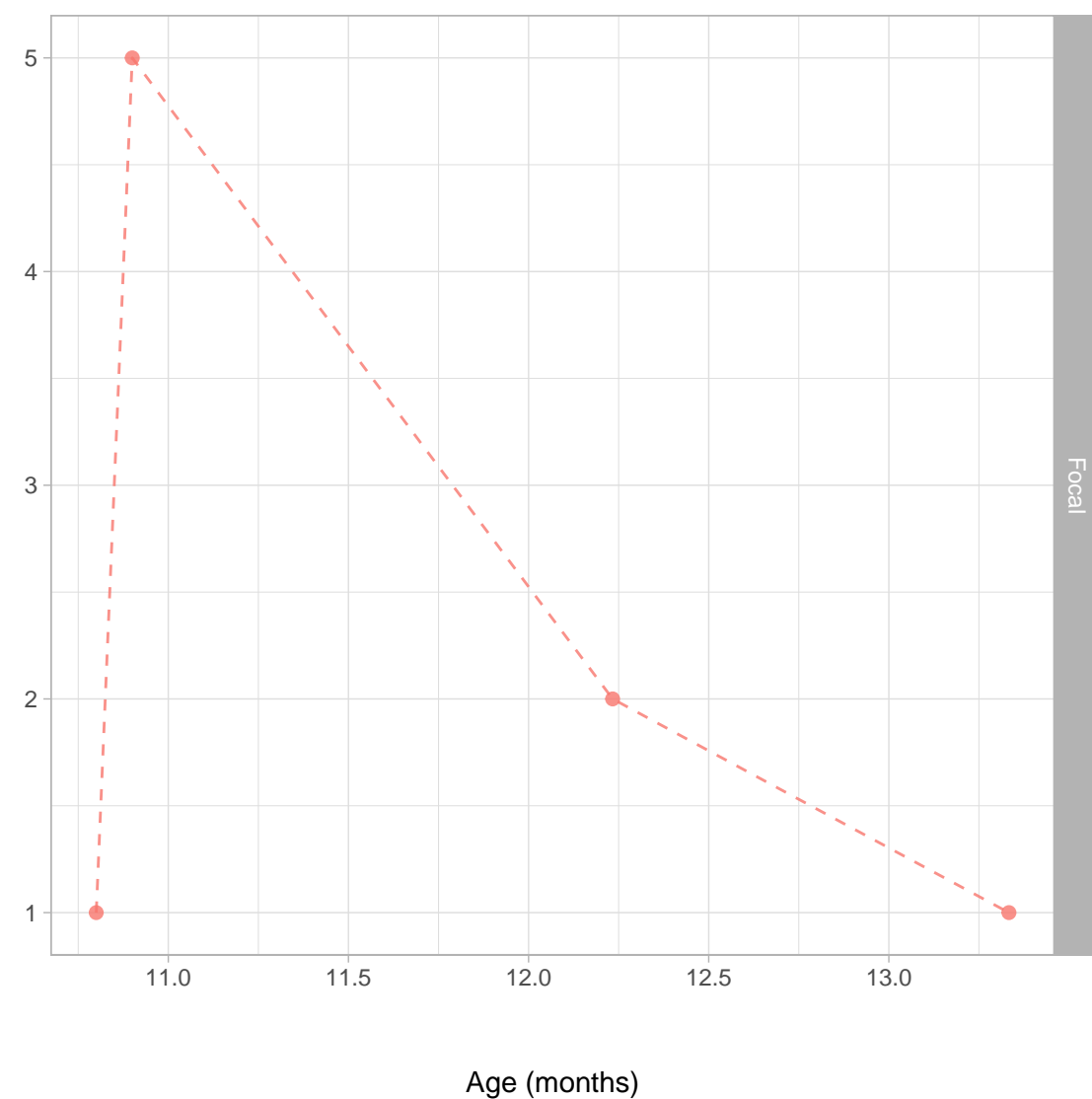
Medication



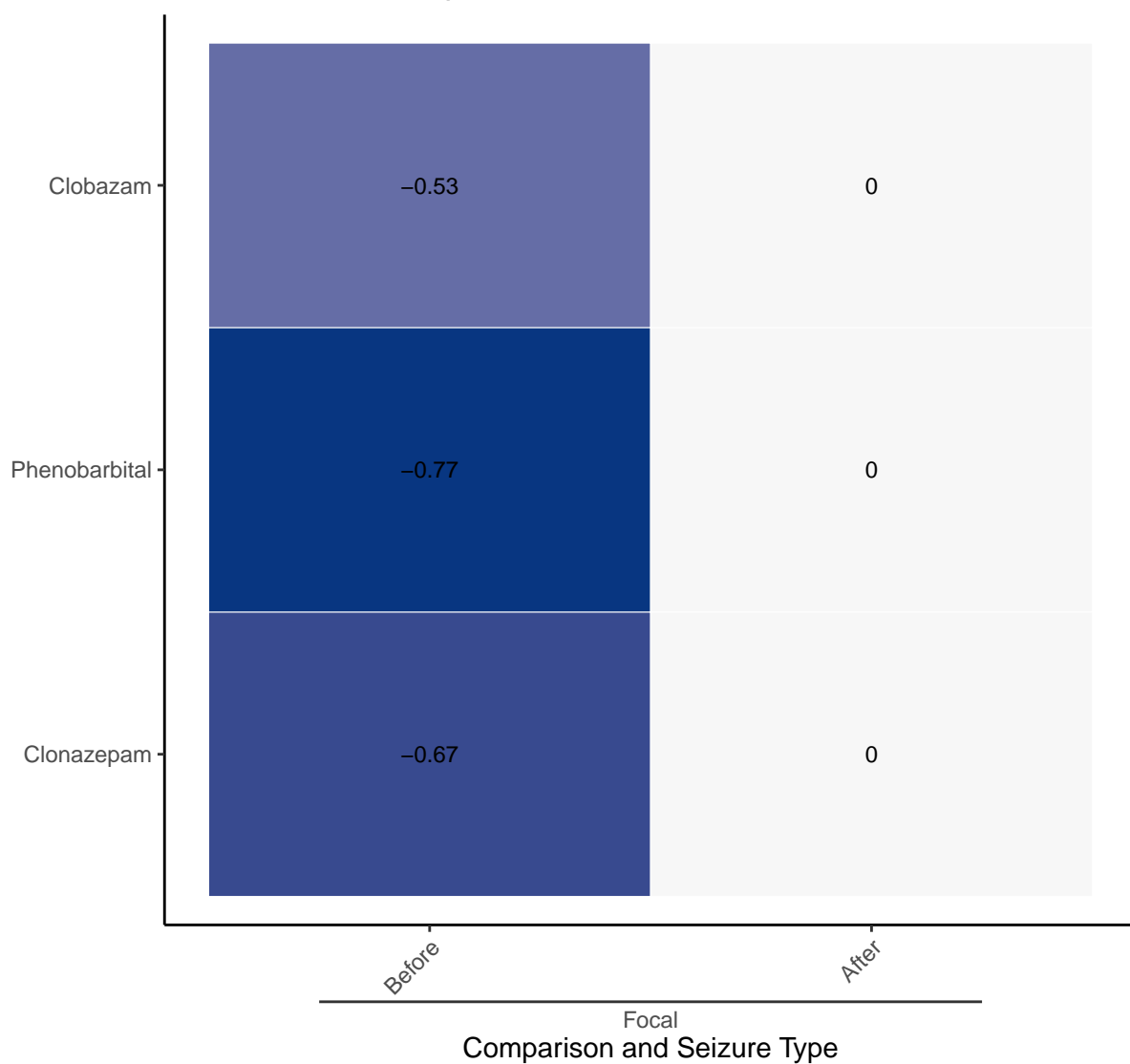
e390a903-b1c2-4170-bb17-b6f37e370716 (p.Glu1607Lys)



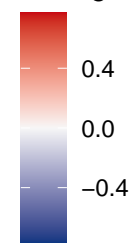
Seizure Index



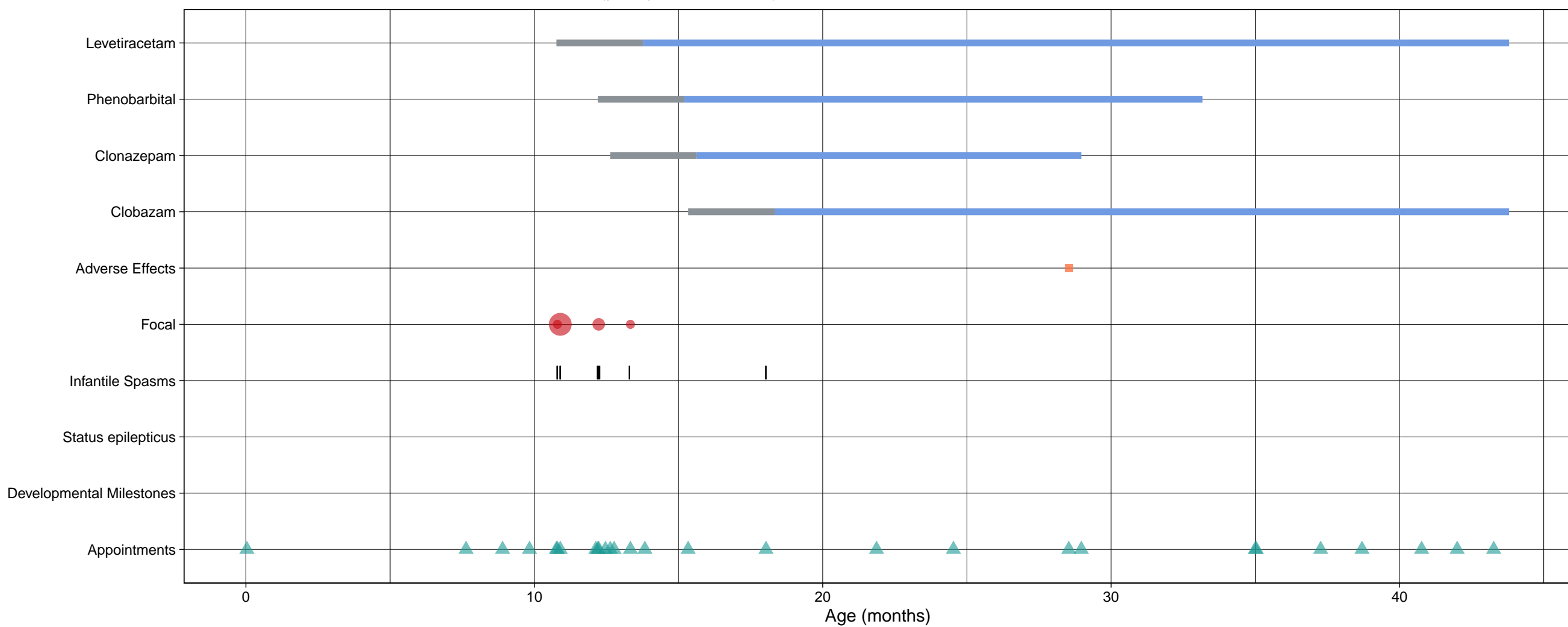
Medication



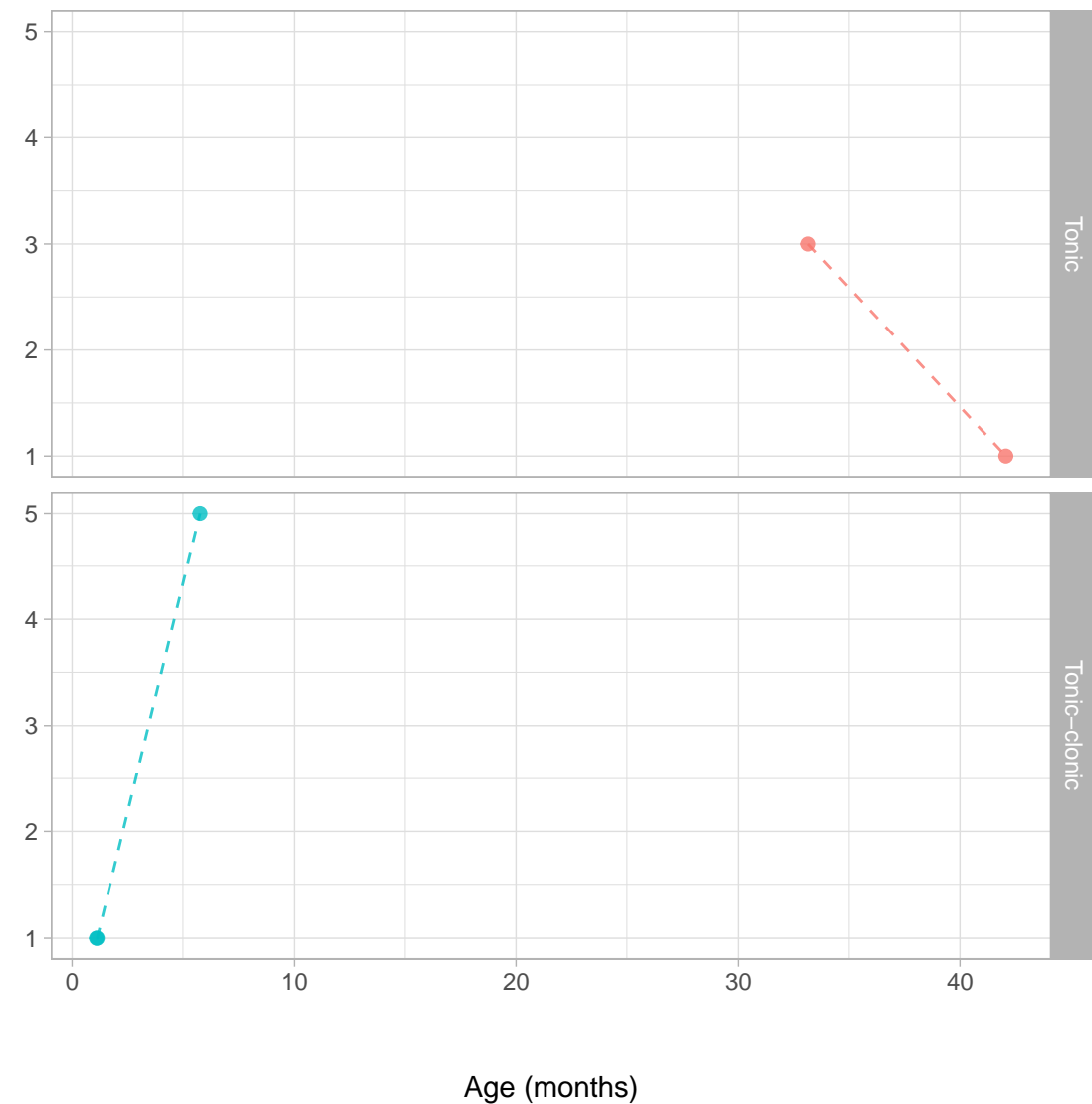
Change in Seizure Index



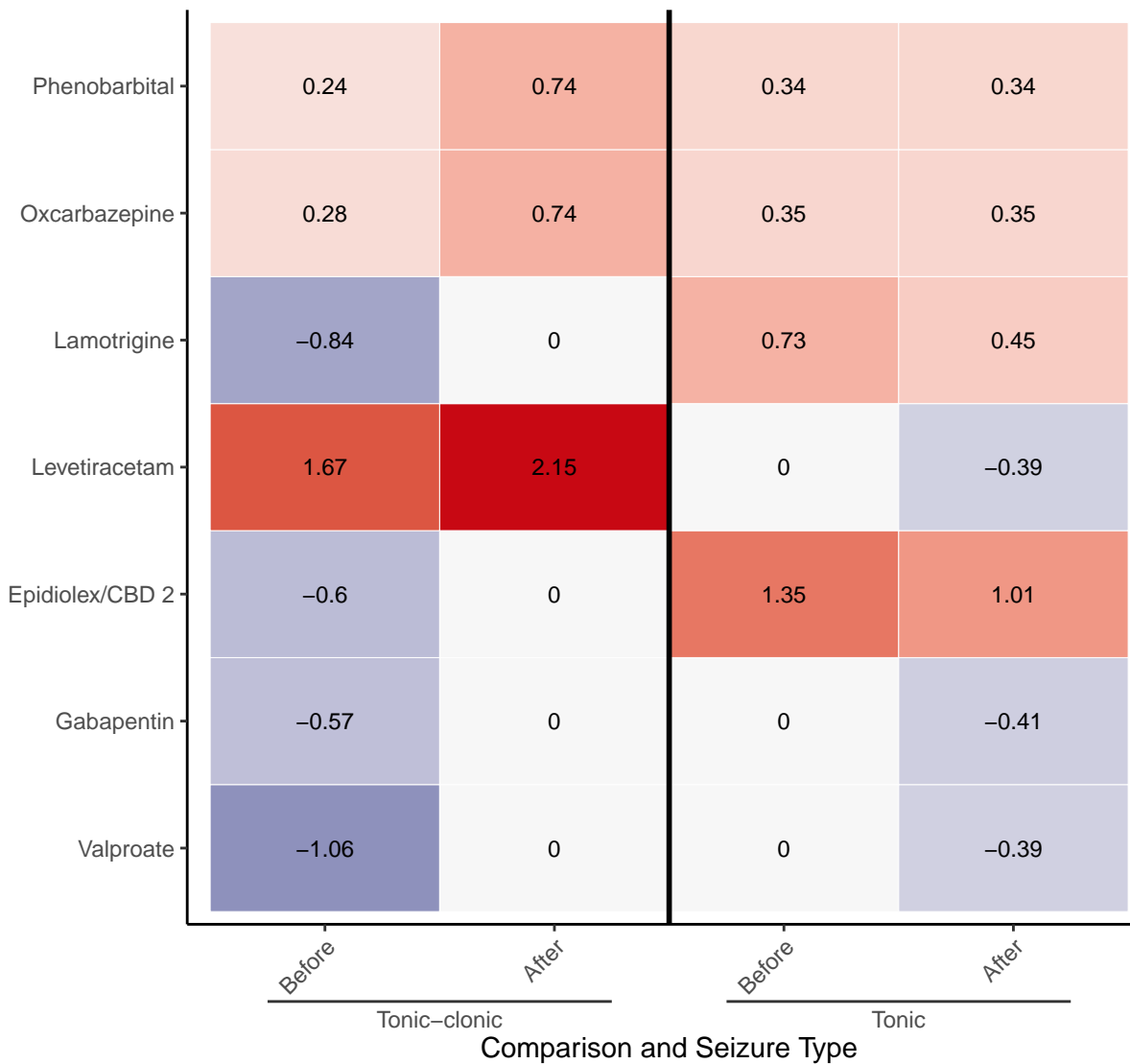
fb67ec01-0ced-4abb-a71e-07621dc999ce (p.Asp1720Thrfs*4)



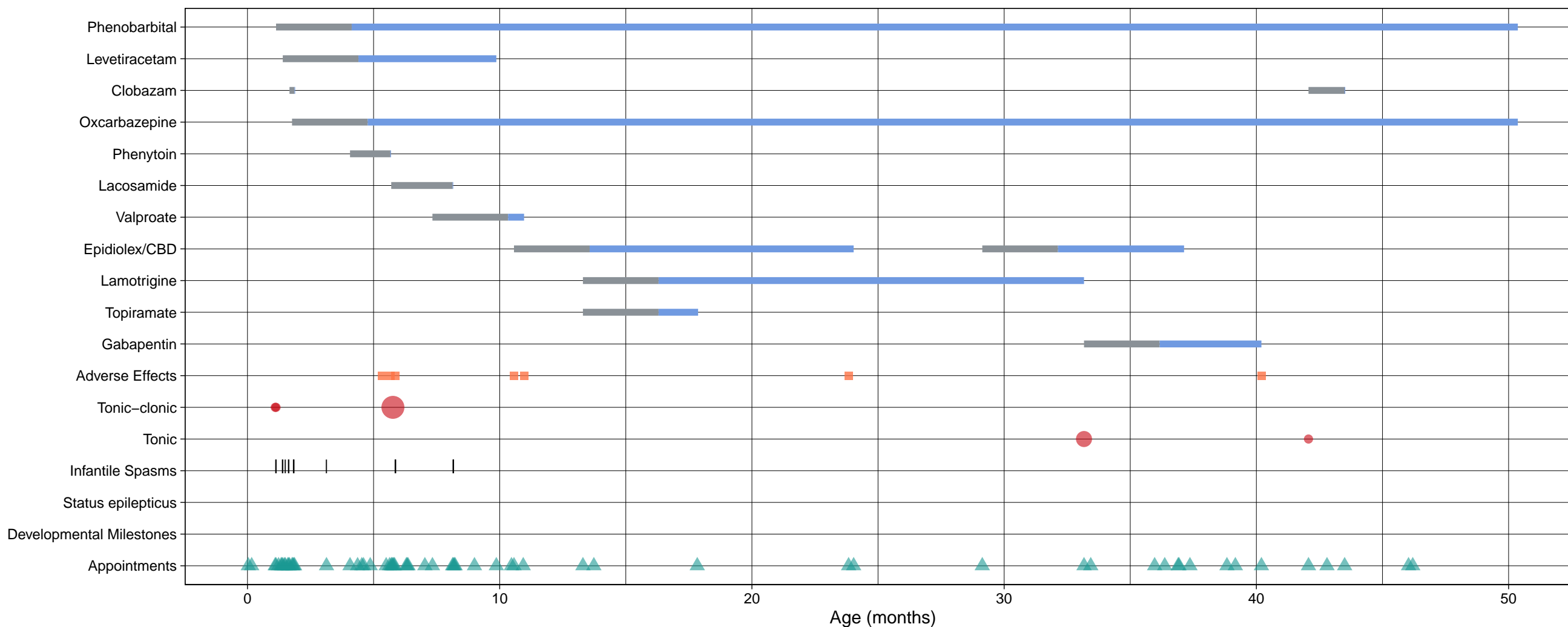
Seizure Index



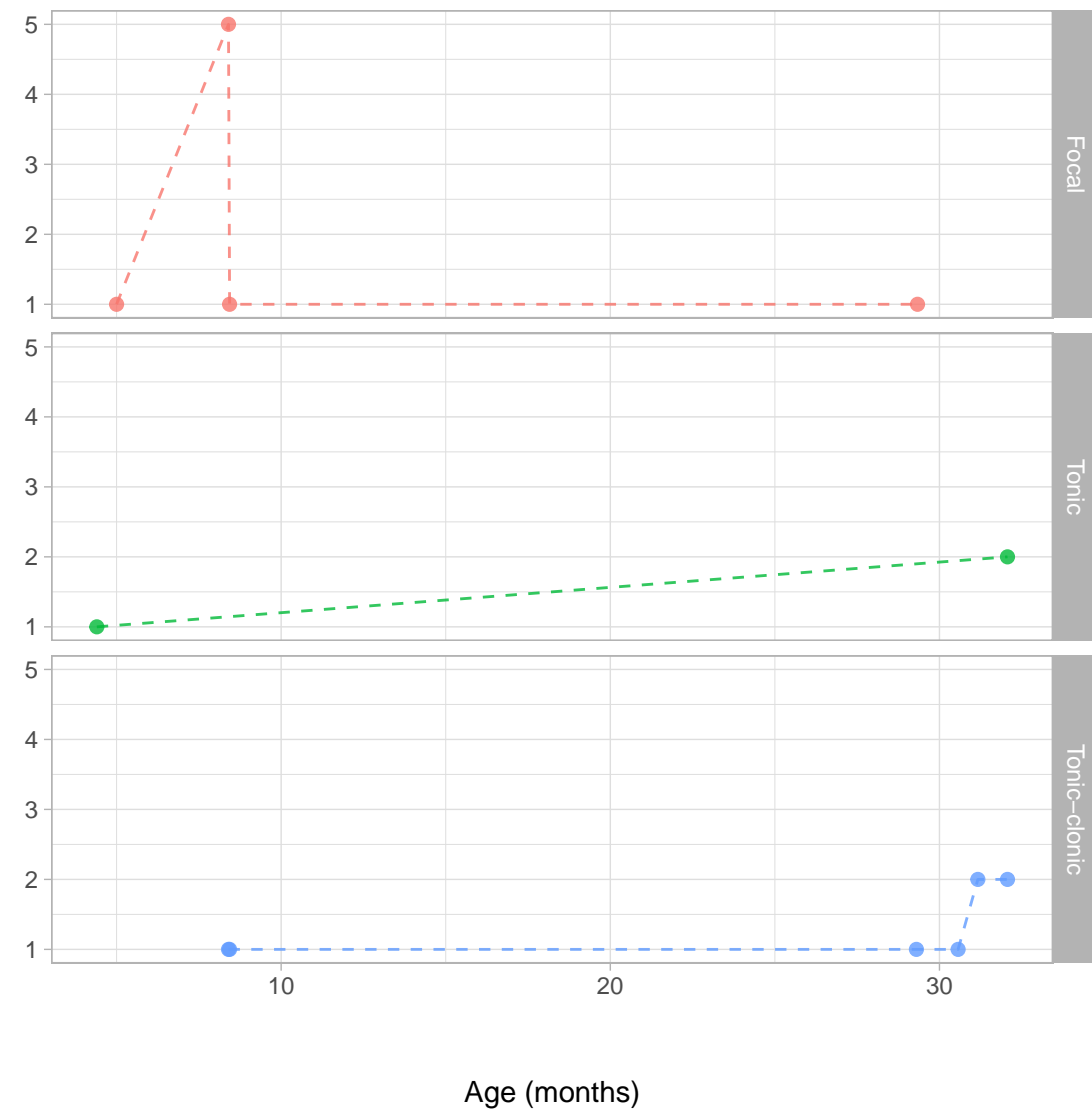
Medication



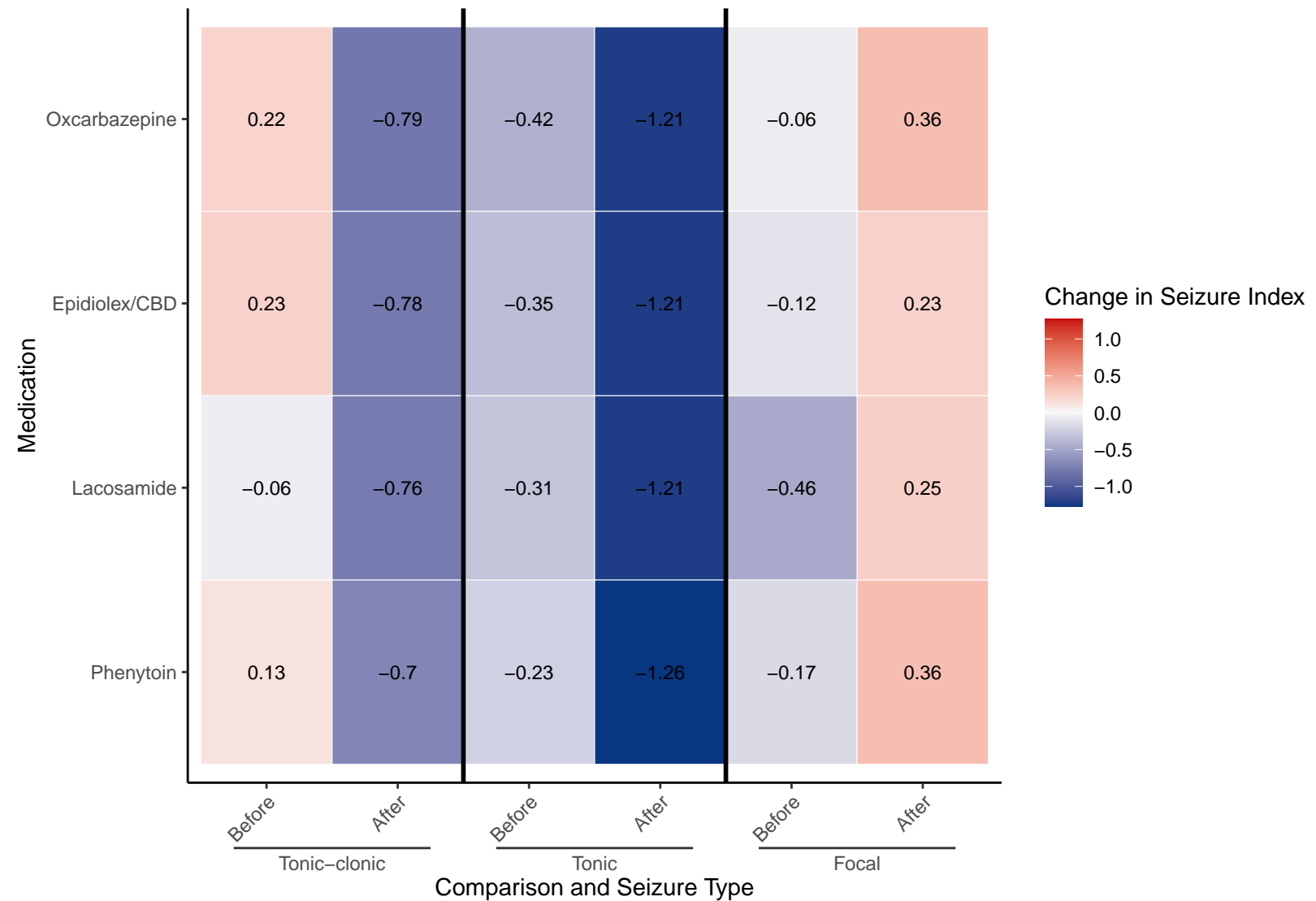
324c6ea2-b518-482e-ad72-6e5d1c365504 (p.Asn1759His)



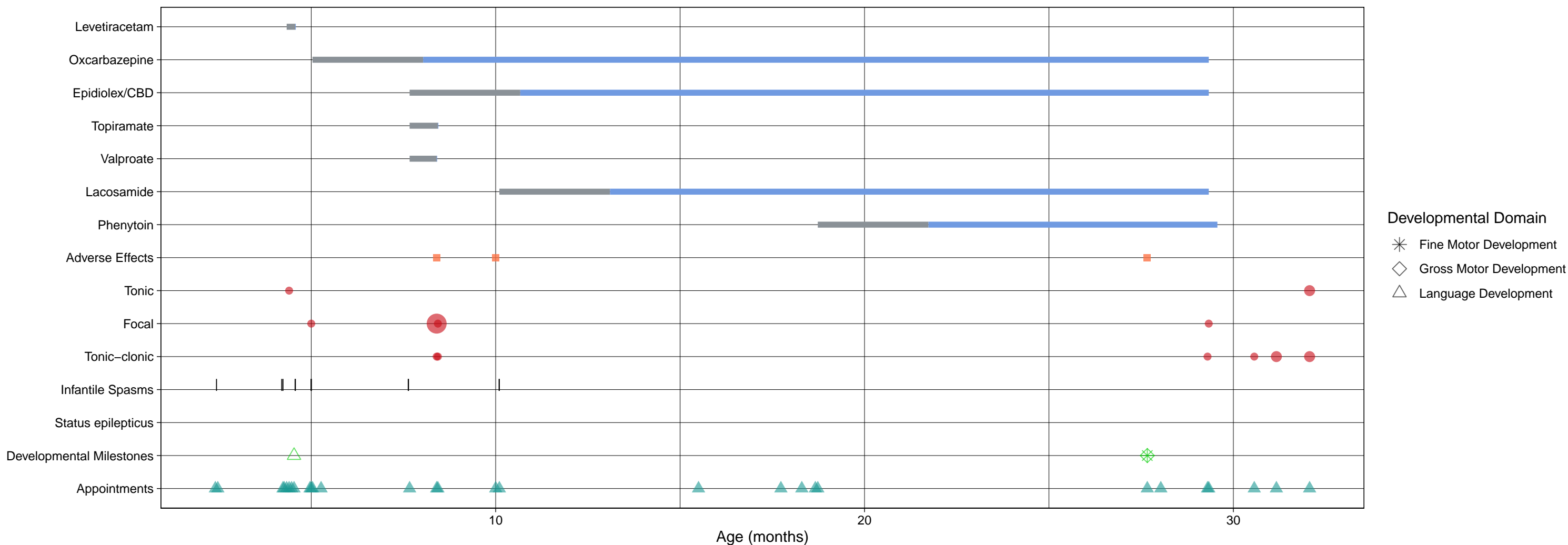
Seizure Index



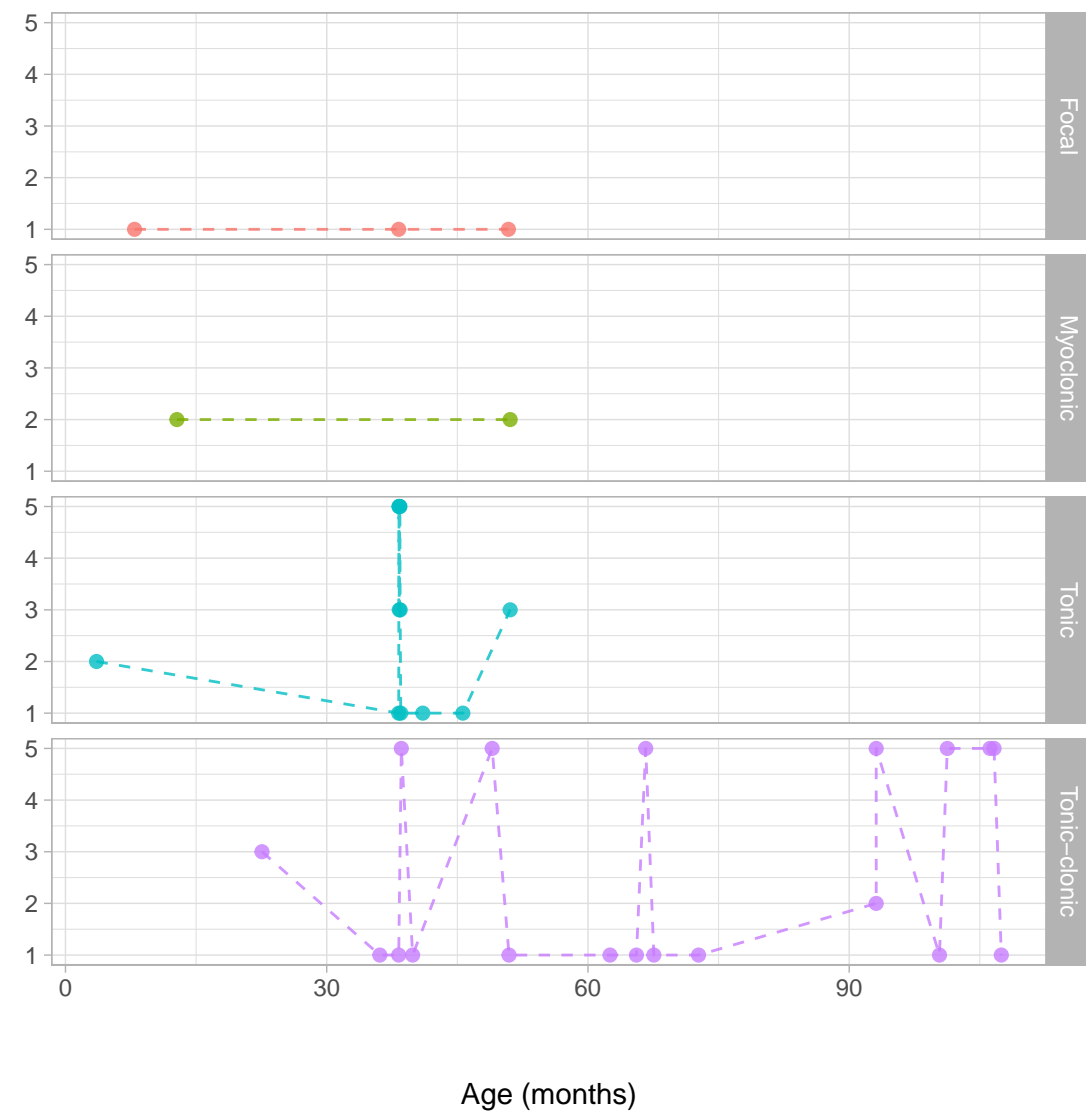
Seizure Index Comparisons



5979a566-cb58-460e-932f-af259f152547 (p.Met1760Ile)



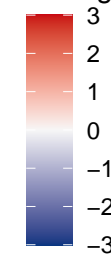
Seizure Index



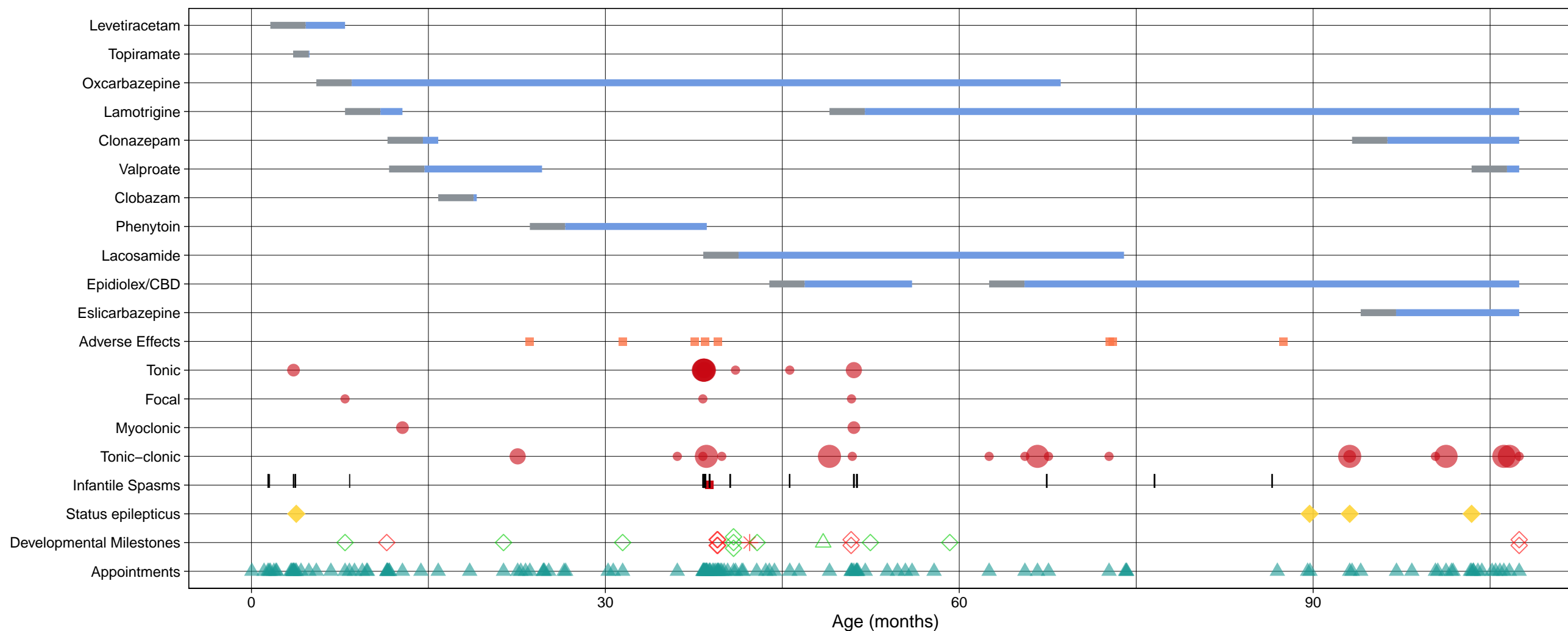
Seizure Index Comparisons

| Medication | Tonic-clonic | | Tonic | | Focal | | Myoclonic | |
|-----------------|--------------|-------|--------|-------|--------|-------|-----------|-------|
| | Before | After | Before | After | Before | After | Before | After |
| Oxcarbazepine | 0.3 | -0.21 | -0.27 | 0.42 | 0.13 | 0.13 | 0.26 | 0.26 |
| Lamotrigine 2 | 0.06 | 0.38 | -0.44 | 0 | -0.14 | 0 | -0.28 | 0 |
| Epidiolex/CBD 2 | 0.14 | 0.46 | -0.39 | 0 | -0.12 | 0 | -0.25 | 0 |
| Lacosamide | 0.12 | -0.21 | 0.18 | 0.39 | 0.02 | 0.18 | 0.04 | 0.35 |
| Phenytoin | 0.09 | 0.33 | 0.65 | 0.8 | 0.1 | 0.17 | -0.39 | -0.24 |
| Clonazepam 2 | 0.76 | 1.01 | -0.32 | 0 | -0.1 | 0 | -0.2 | 0 |
| Eslicarbazepine | 0.79 | 1.04 | -0.32 | 0 | -0.1 | 0 | -0.2 | 0 |
| Valproate 1 | 0.95 | 0.65 | -0.52 | -0.35 | -0.26 | -0.11 | 0 | -0.22 |
| Epidiolex/CBD 1 | 0.66 | 0.6 | 0.5 | 1 | 0.19 | 0.33 | 0.37 | 0.66 |
| Levetiracetam | 0 | -0.28 | 0 | -0.32 | 0.55 | 0.45 | 0 | -0.2 |
| Lamotrigine 1 | 0 | -0.29 | -0.6 | -0.33 | 0 | -0.1 | 1.48 | 1.27 |
| Valproate 2 | 2.75 | 3 | -0.31 | 0 | -0.1 | 0 | -0.19 | 0 |
| Clobazam | 0 | -0.3 | -0.46 | -0.34 | -0.23 | -0.11 | -0.46 | -0.21 |

Change in Seizure Index



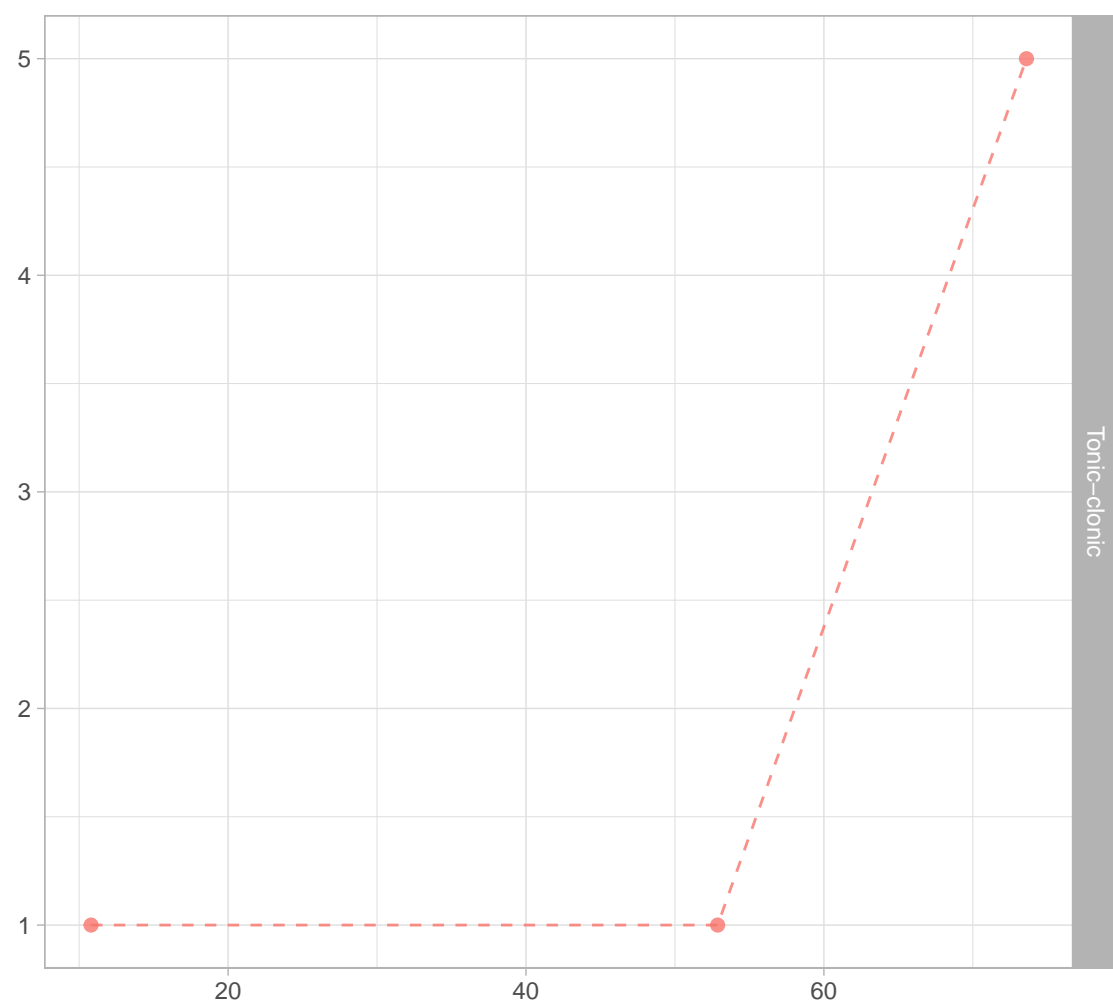
04b83955-018d-4b04-bae8-e77615820a58 (p.Arg1872Leu)



Developmental Domain

- * Fine Motor Development
- ◇ Gross Motor Development
- △ Language Development

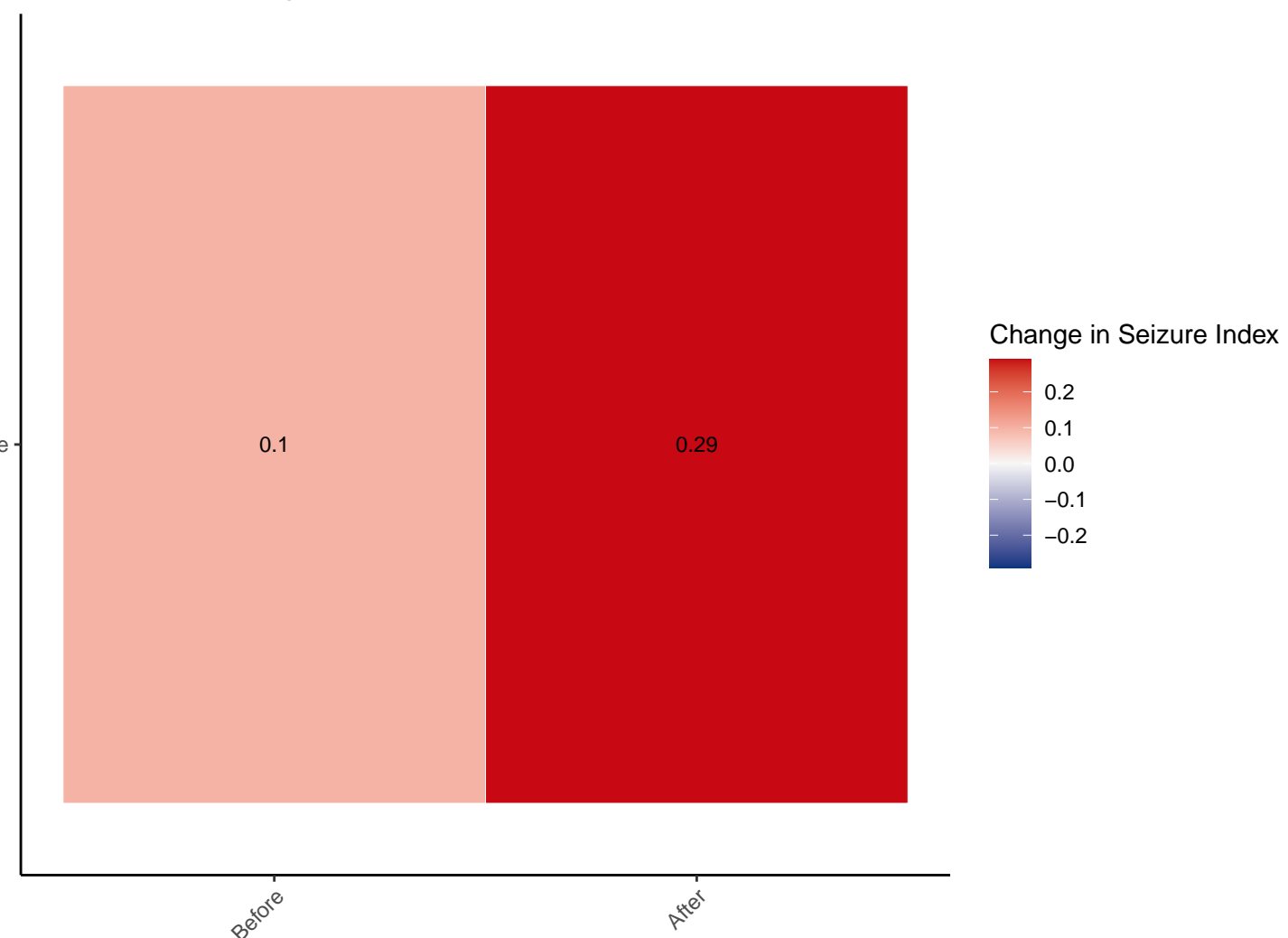
Seizure Index



Medication

Lamotrigine

Seizure Index Comparisons



Comparison and Seizure Type

d9dcf702-a800-46c6-b20a-0df7a0f303a8 (p.Asn1877Ser)

