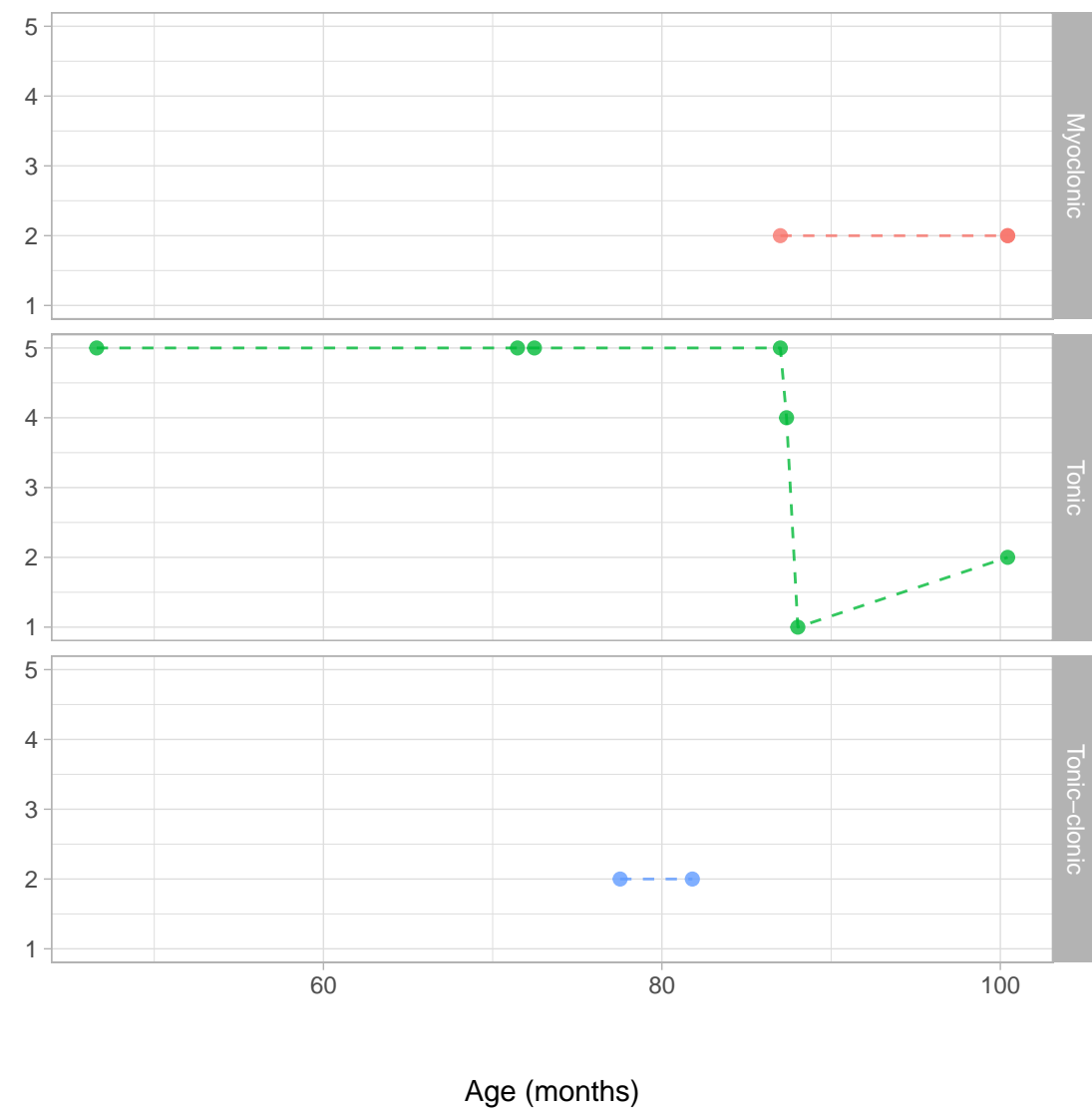
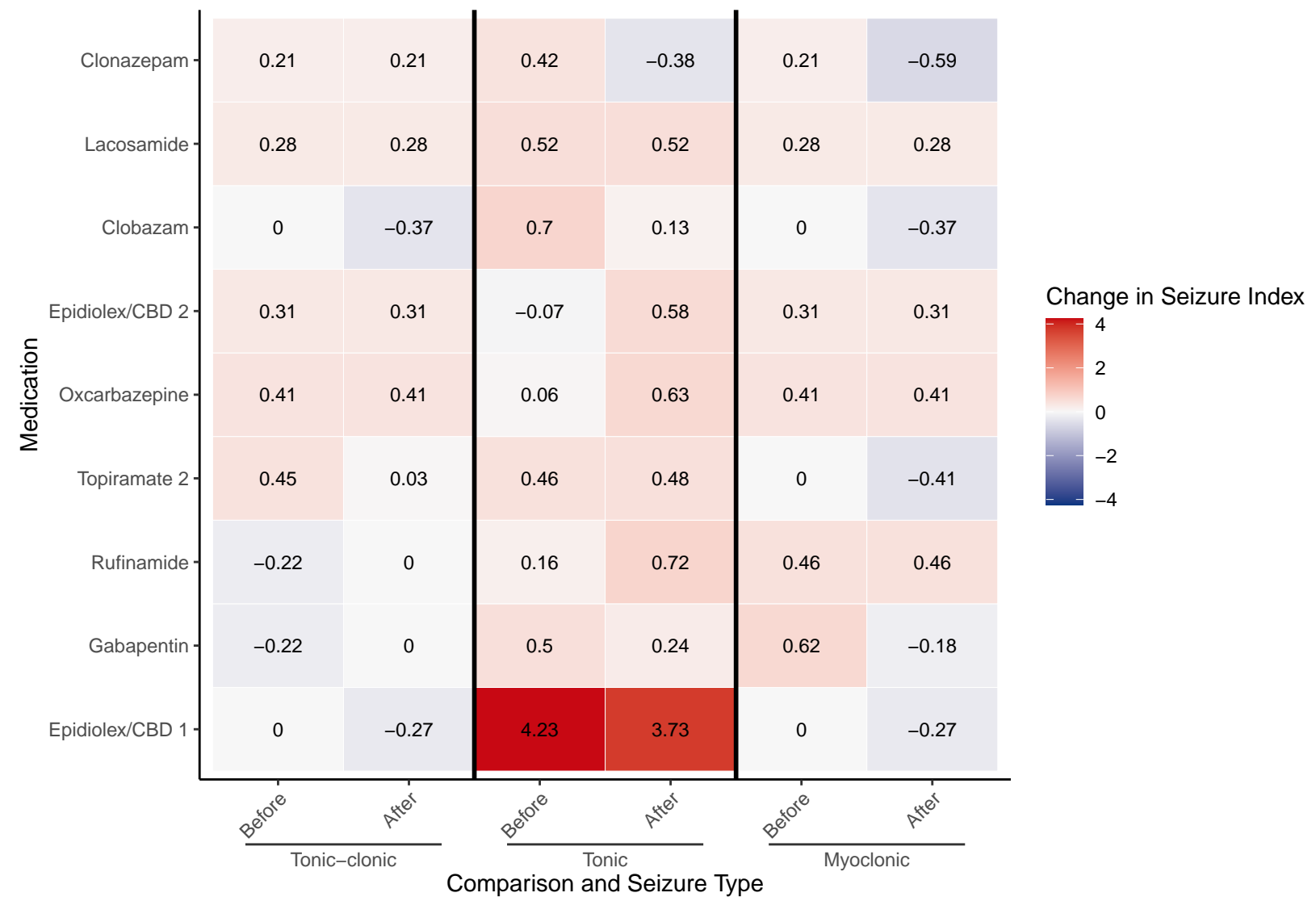


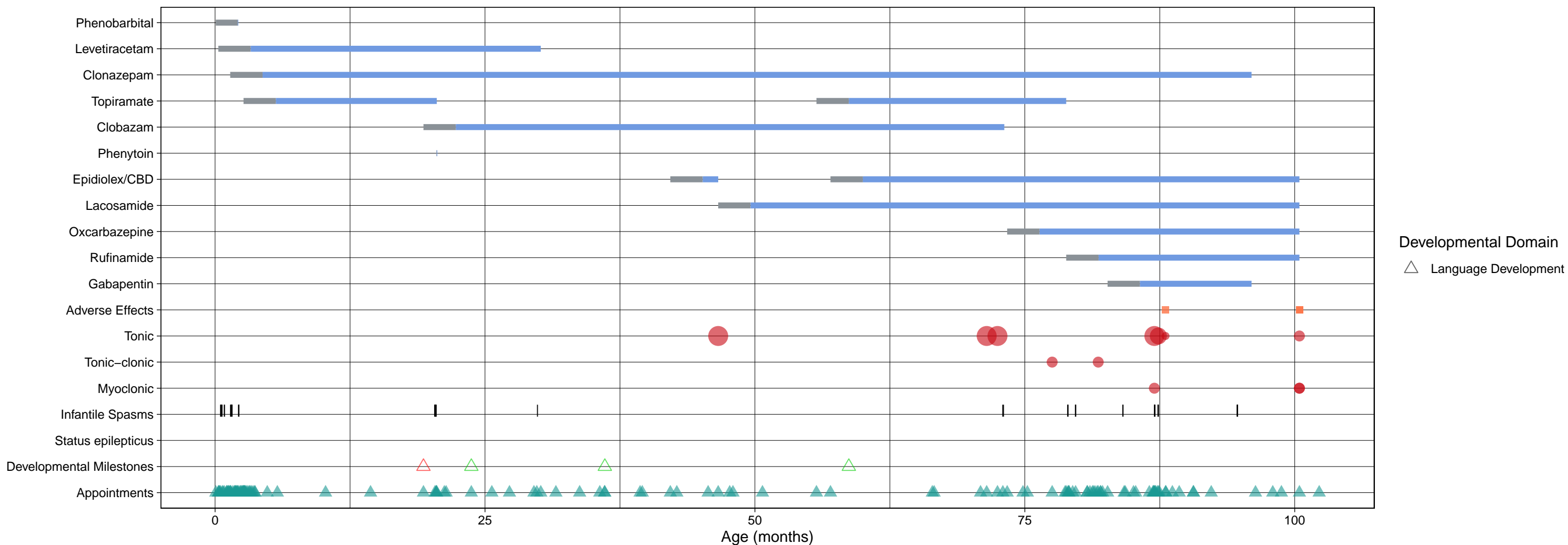
Seizure Index



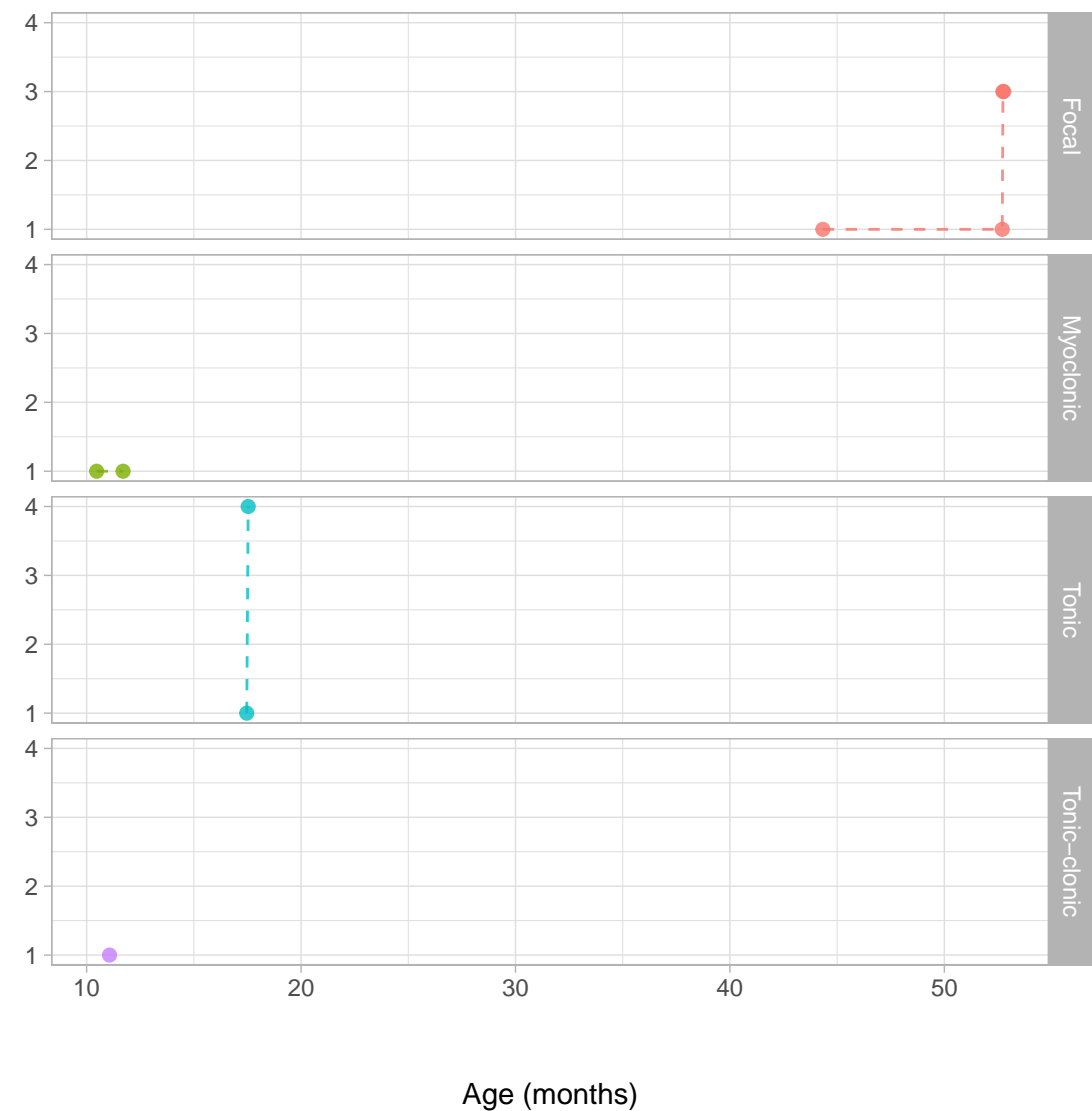
Seizure Index Comparisons



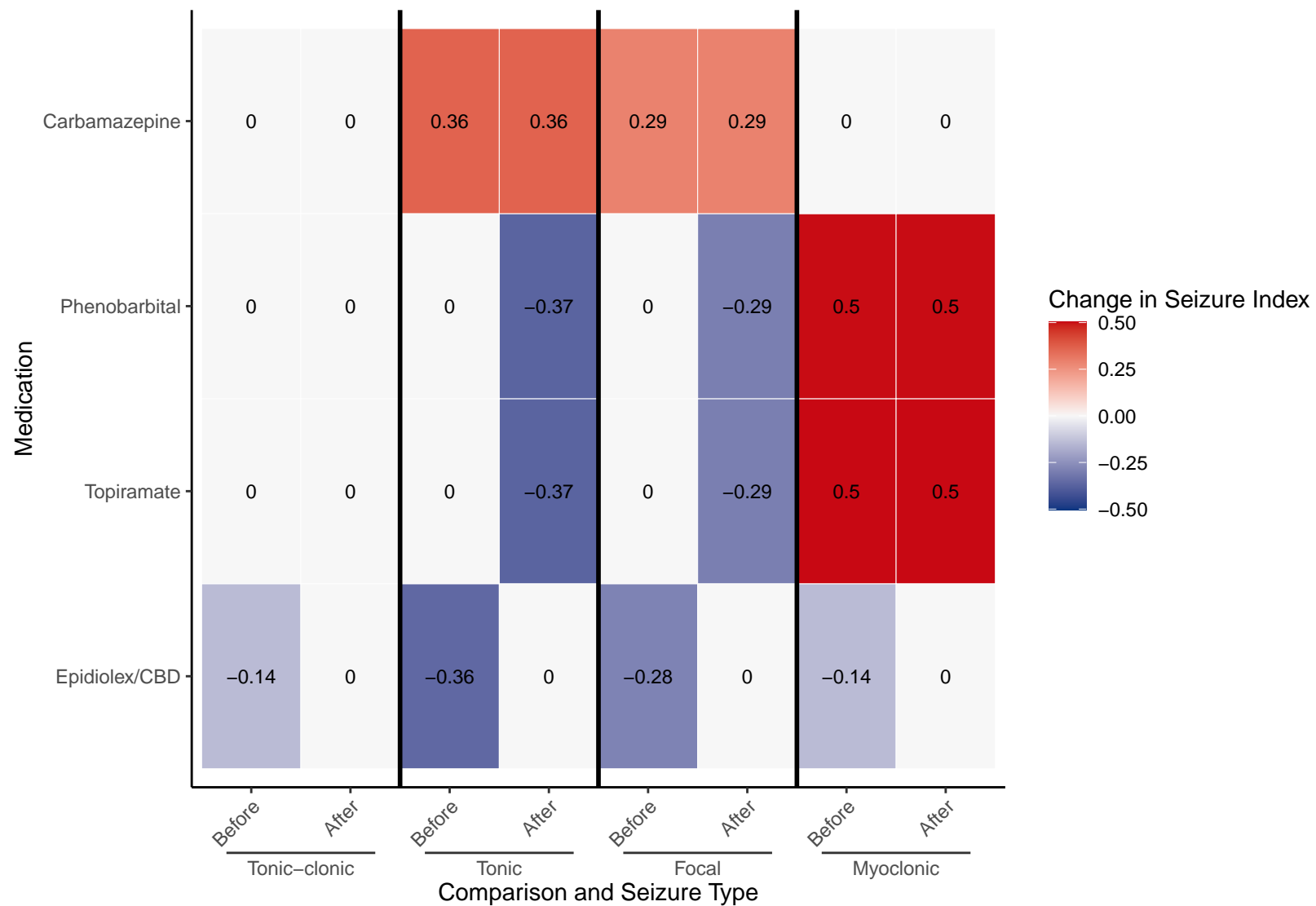
aeff5c7c-86ea-4d70-a891-a34fe4477fe0 (Registry #167) (p.Arg45Gln)



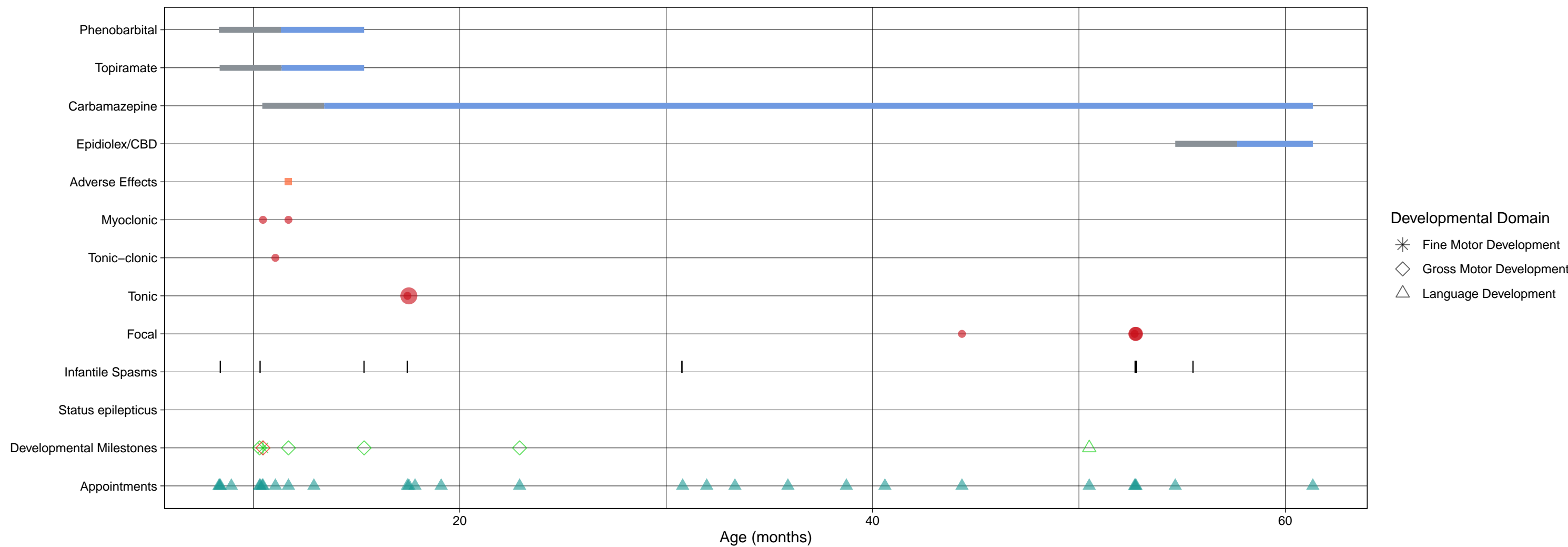
Seizure Index



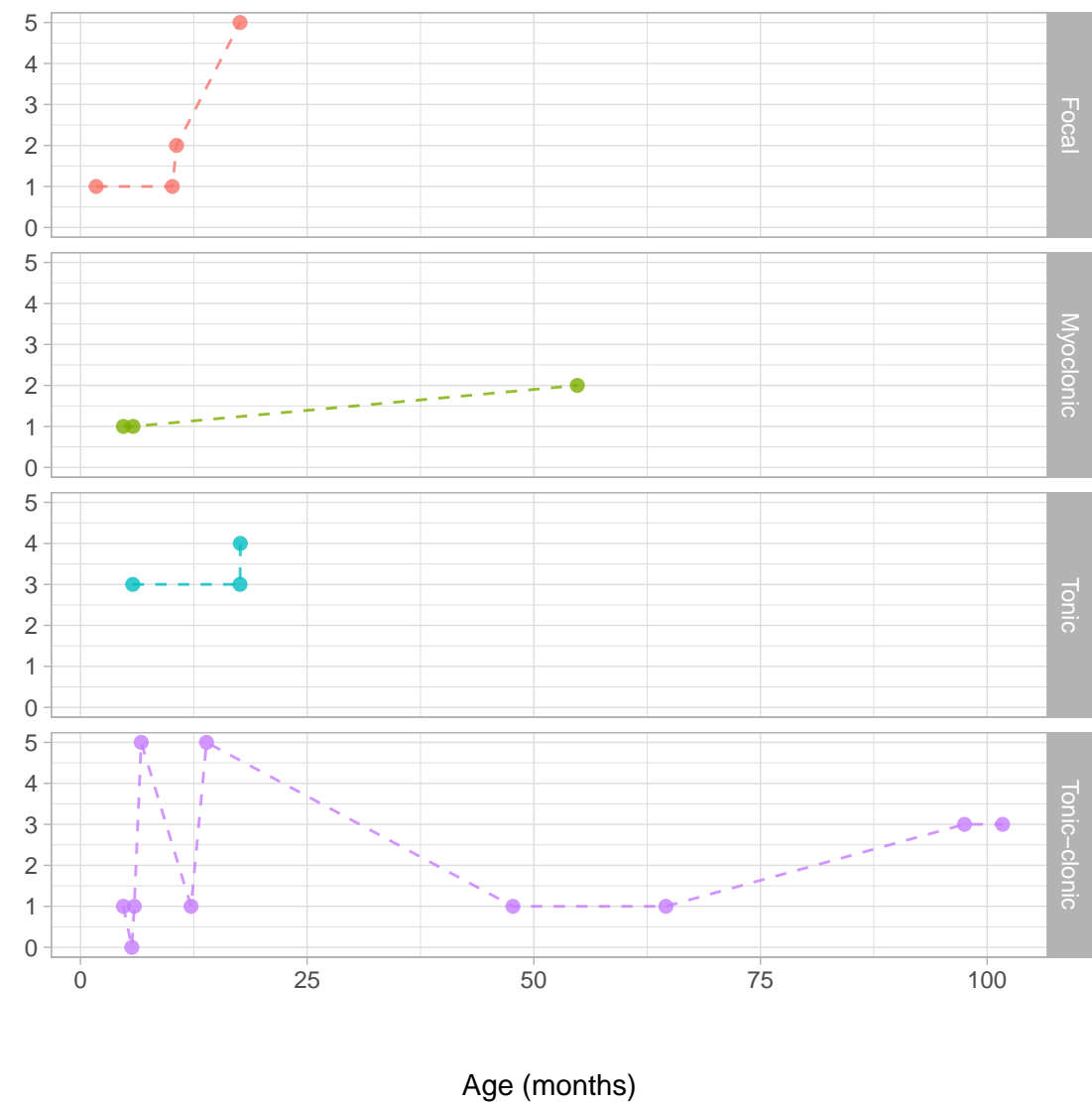
Seizure Index Comparisons



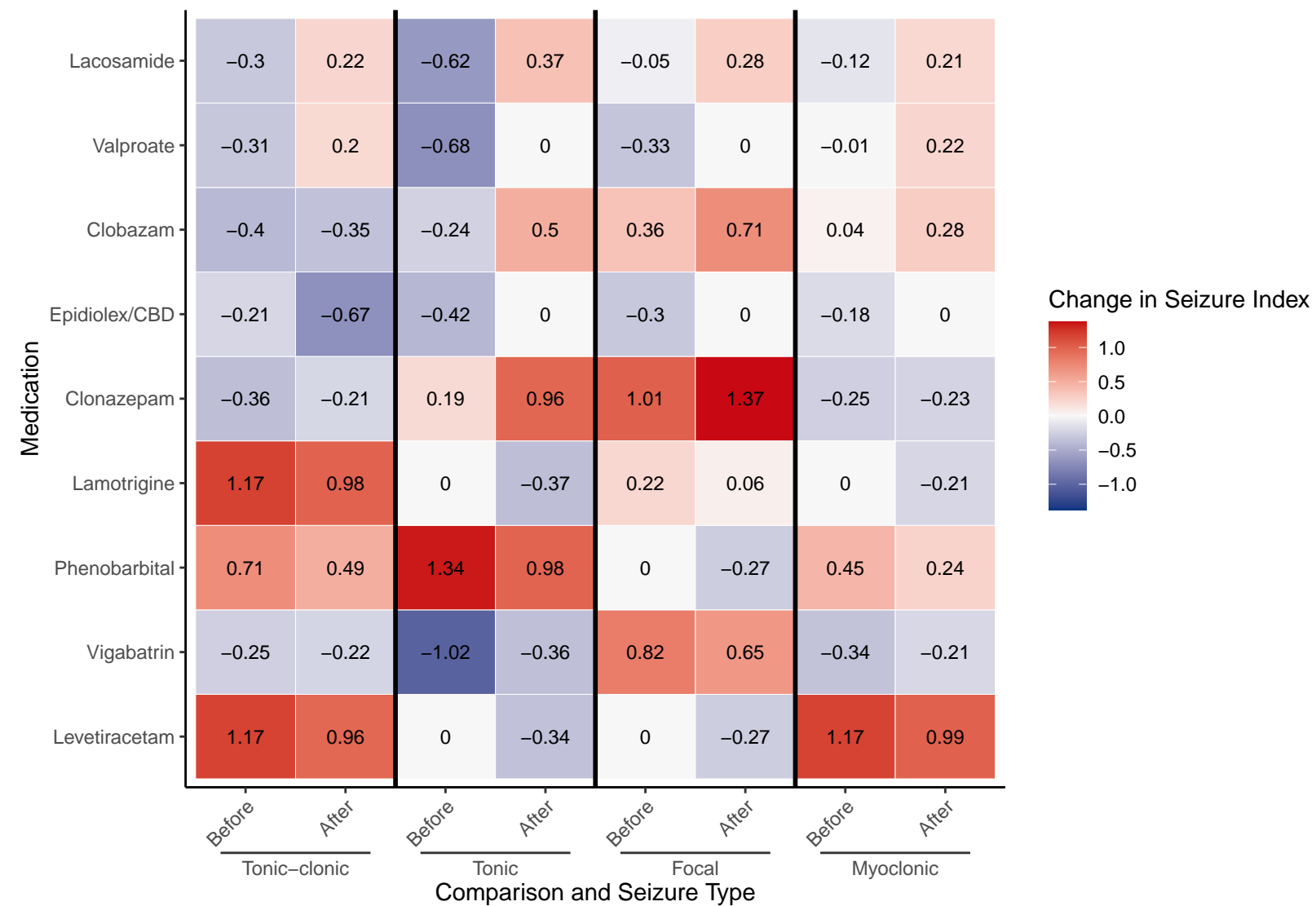
a729e5c1-bb70-4582-82a5-141ee71bf9ac (Registry #350) (p.Ser132Pro)



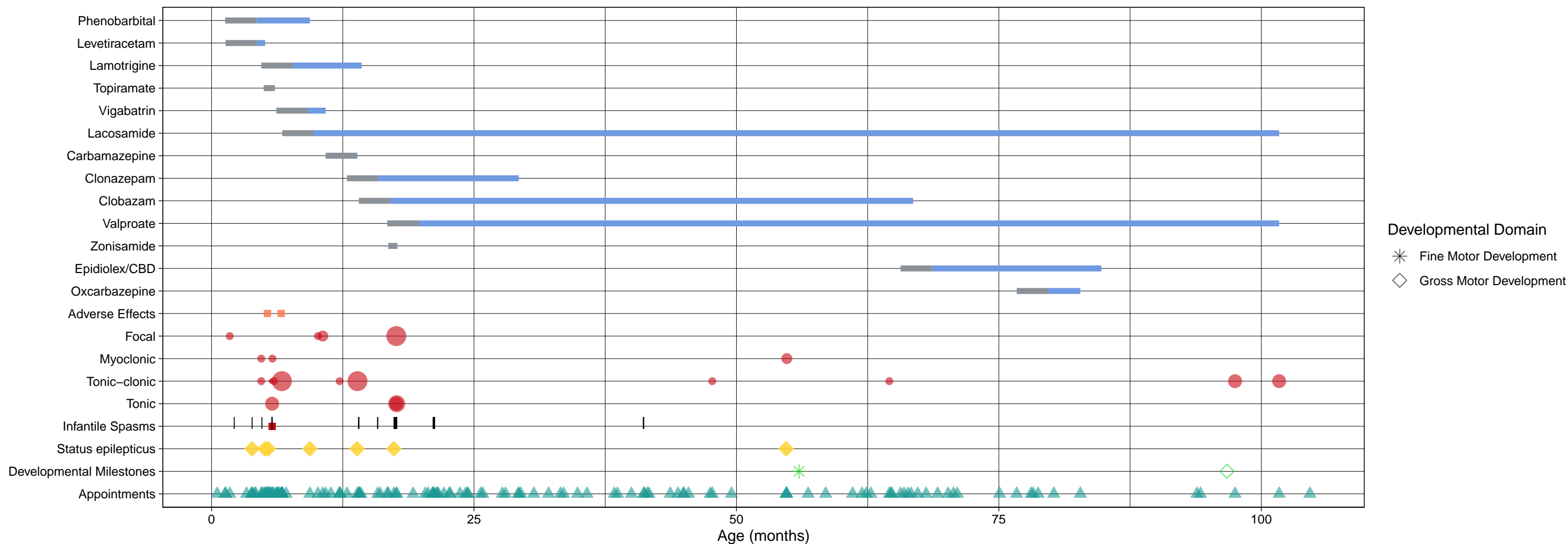
Seizure Index



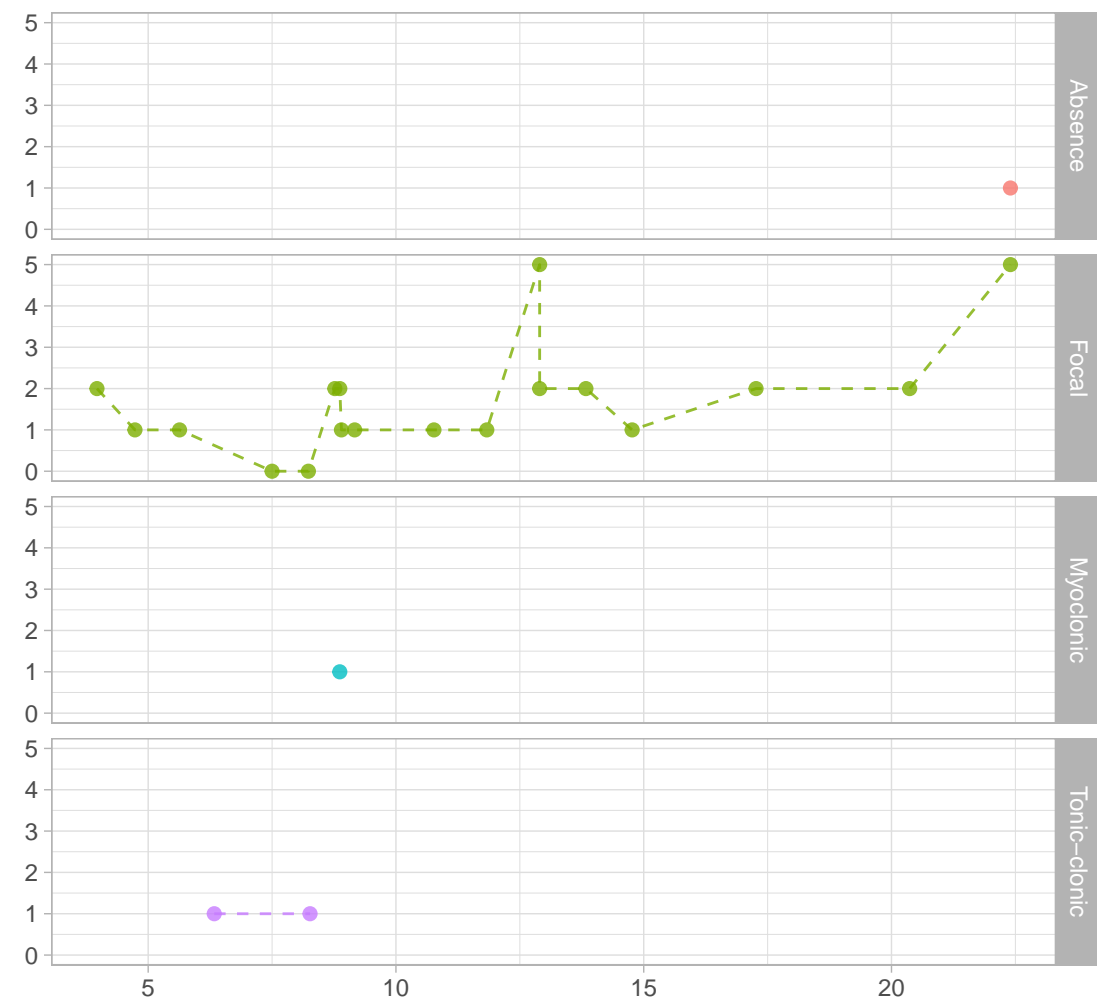
Seizure Index Comparisons



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

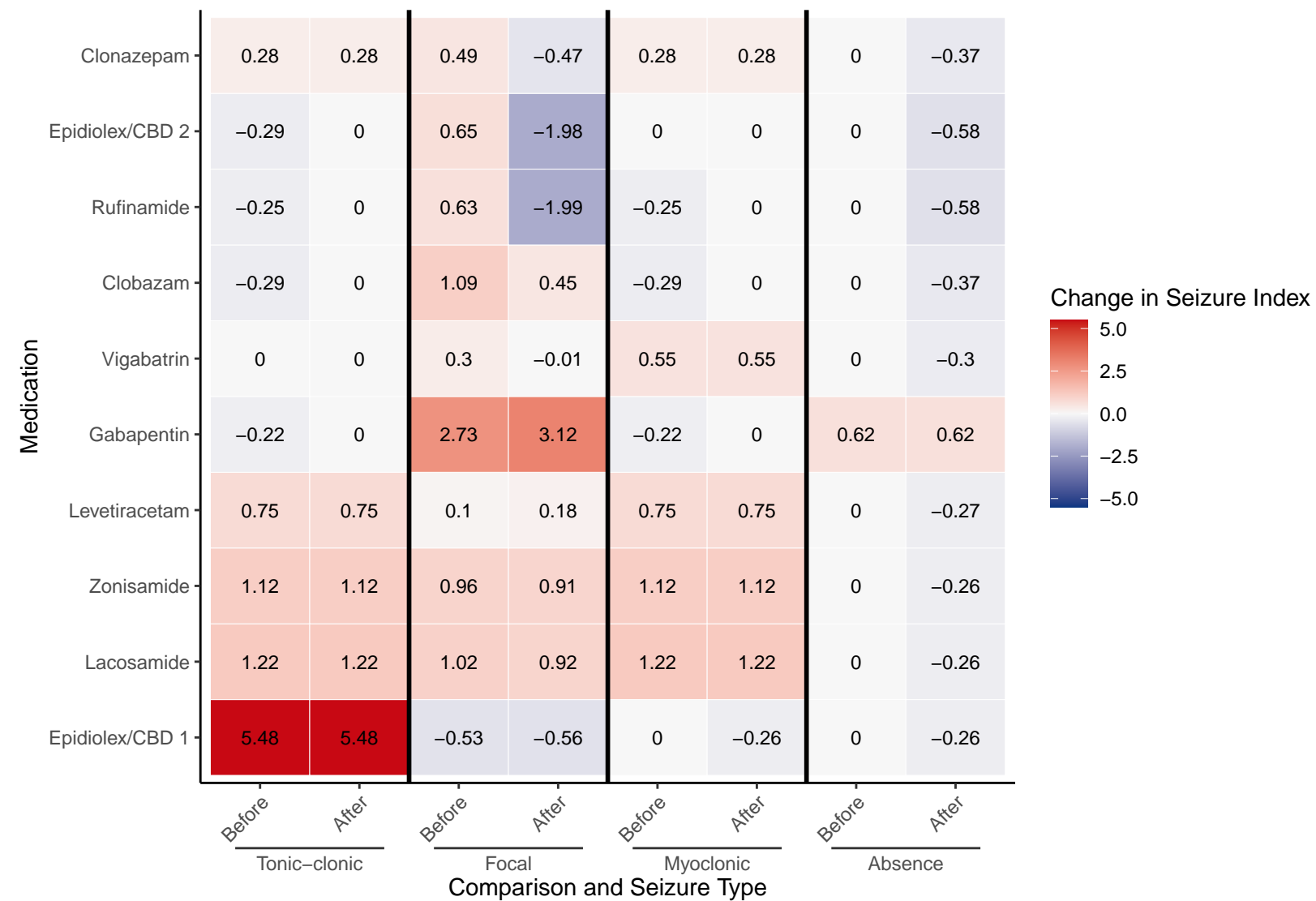


Seizure Index

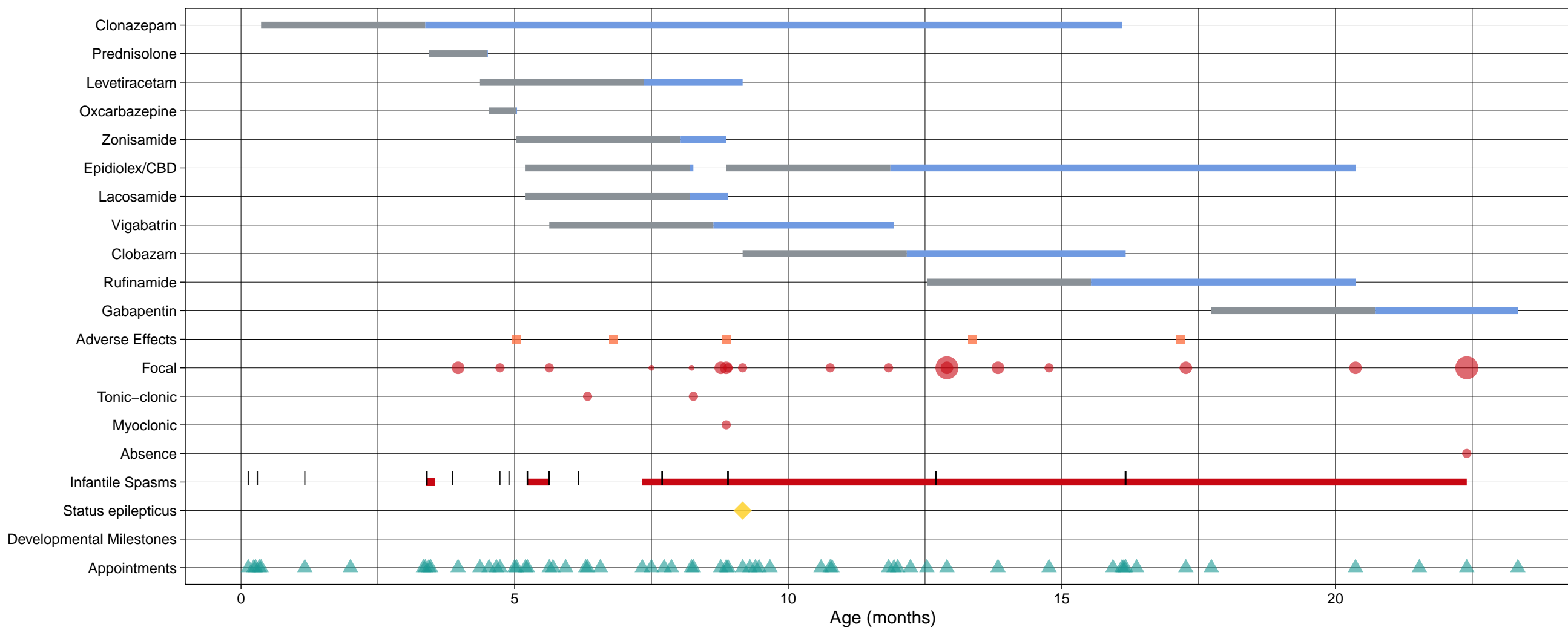


Age (months)

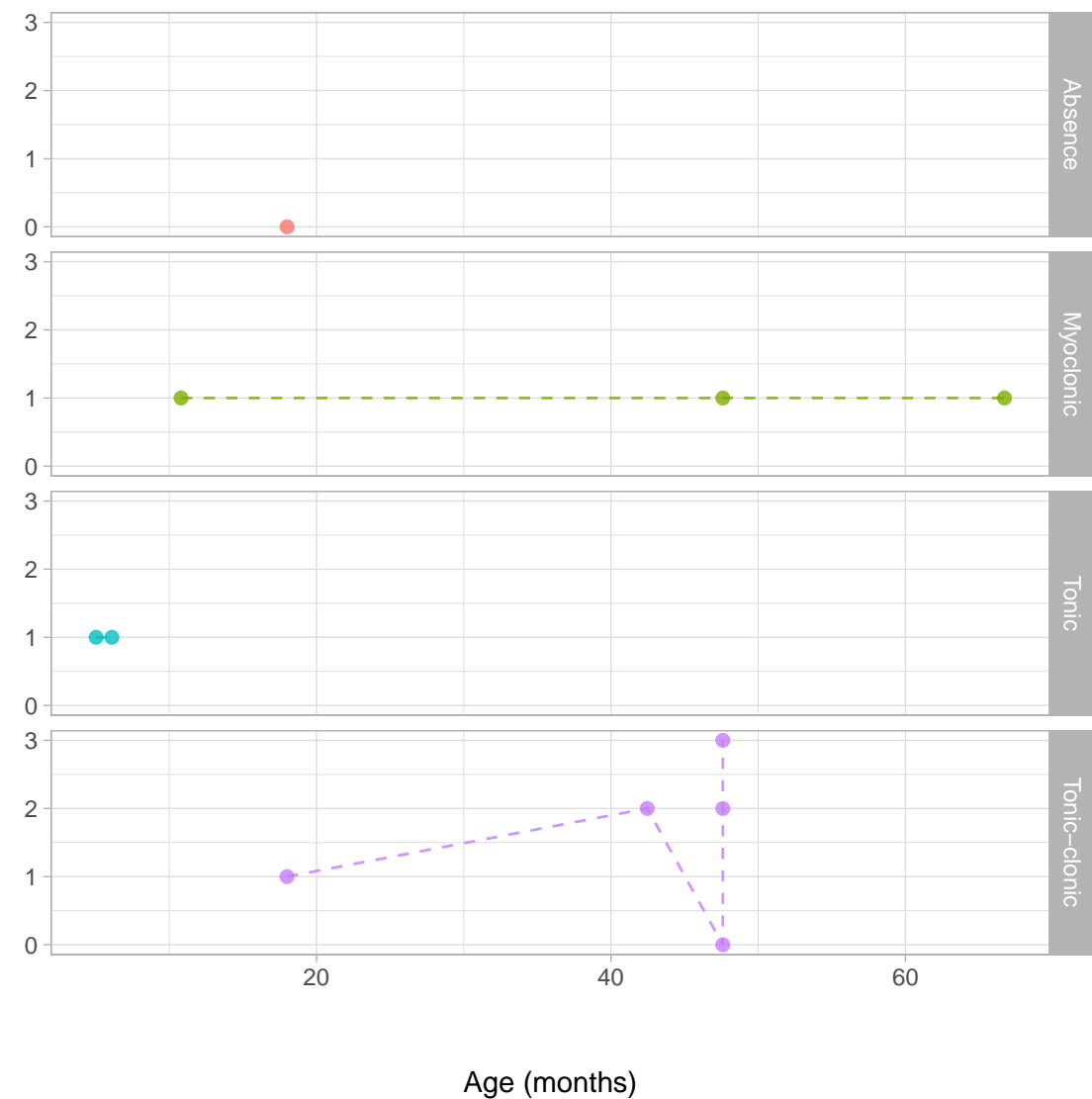
Seizure Index Comparisons



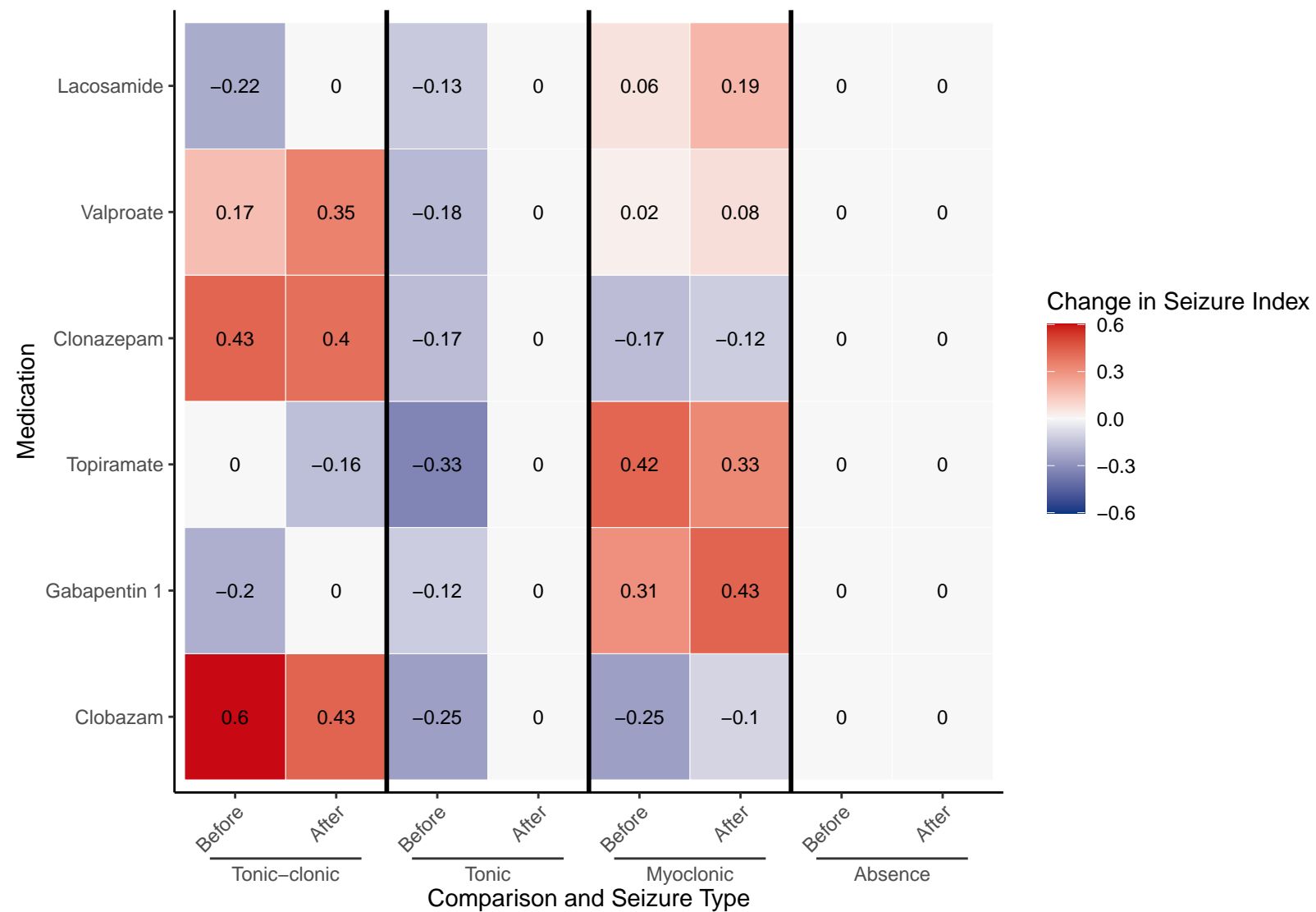
166766fd-f23b-4306-a2f8-91e5f20a4172 (Registry #530) (p.Ala205Glu) - IF



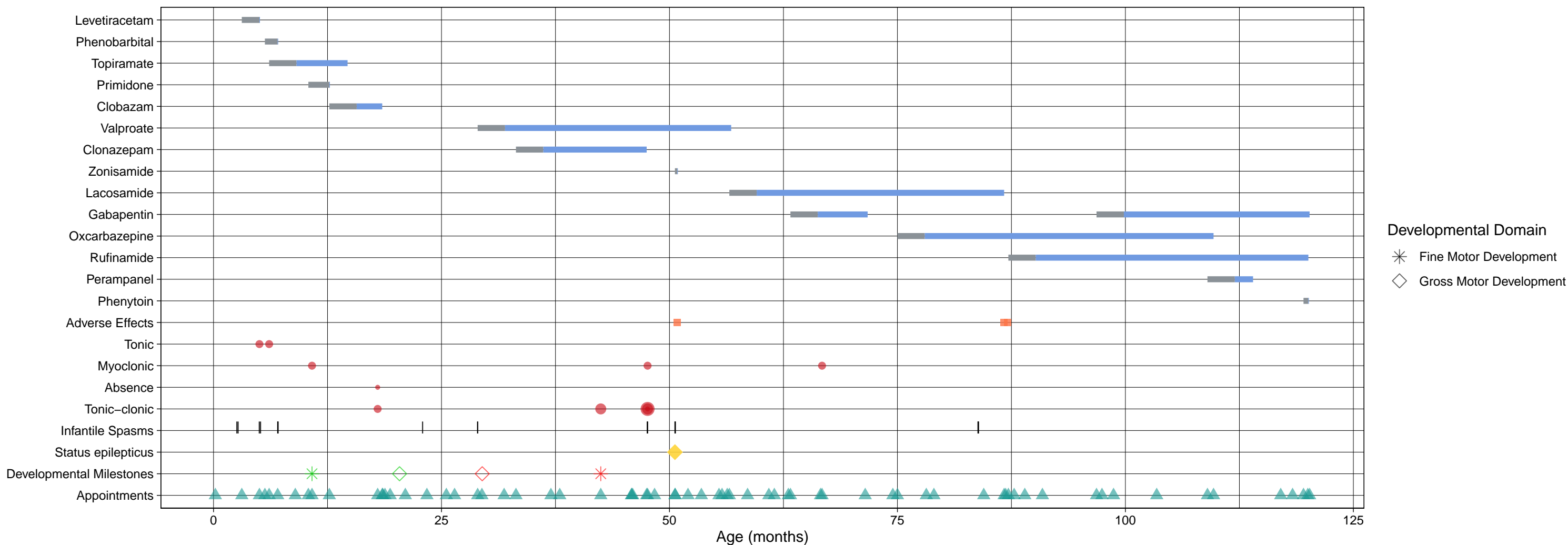
Seizure Index



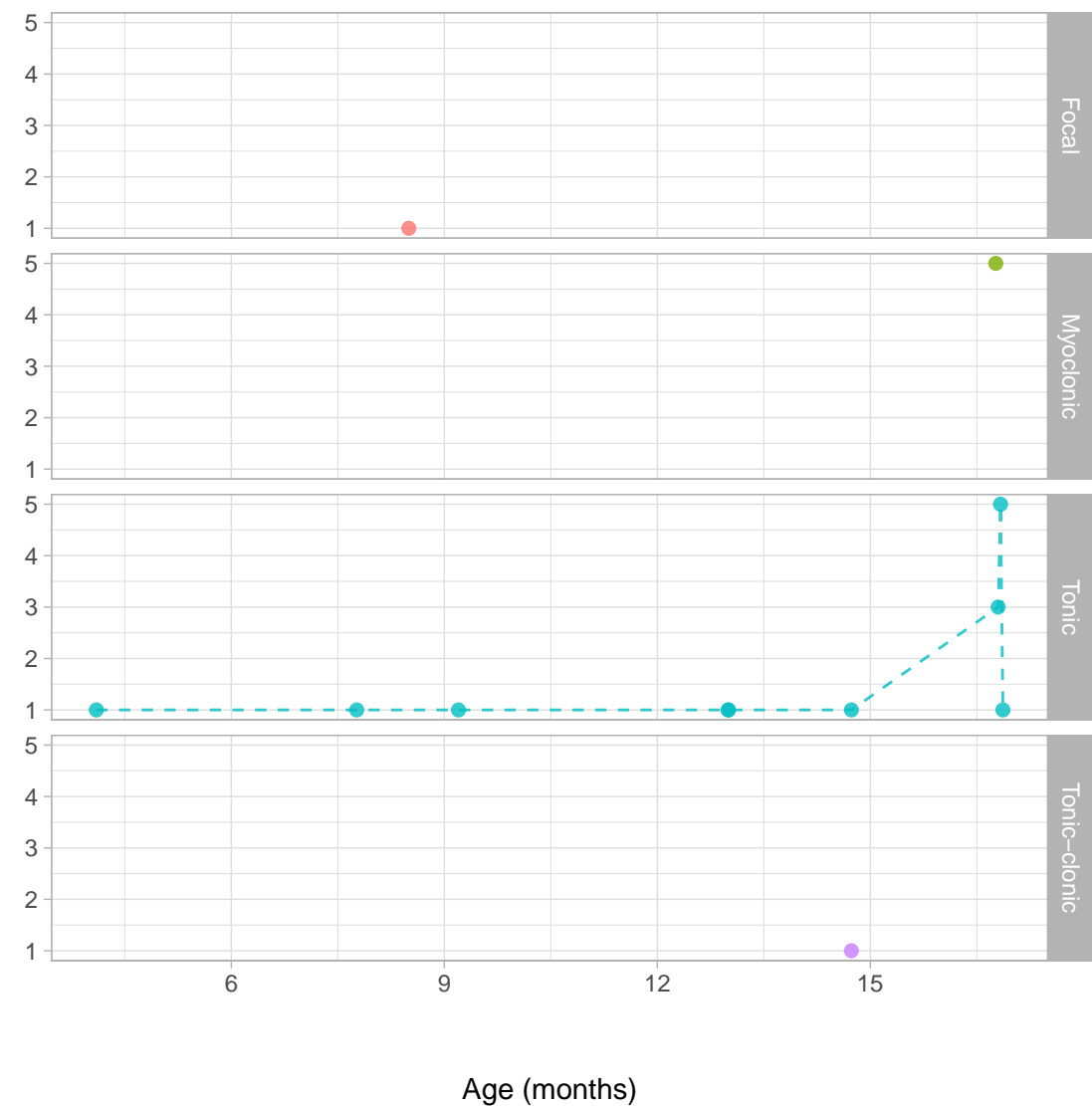
Seizure Index Comparisons



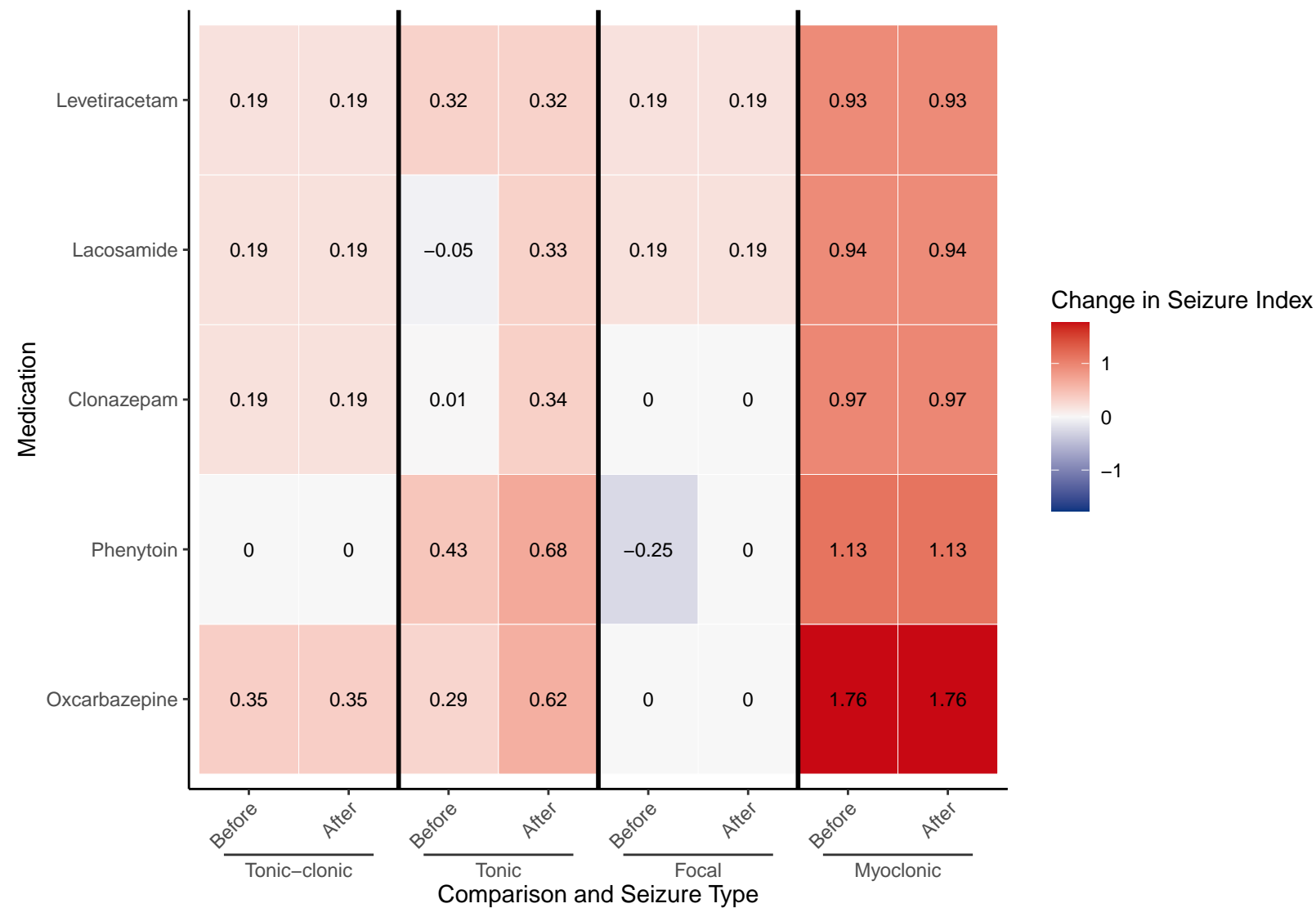
a0a0ed2d-1f61-4fa4-86e7-91fcde0ae084 (Registry #103) (p.Ile240Leu)



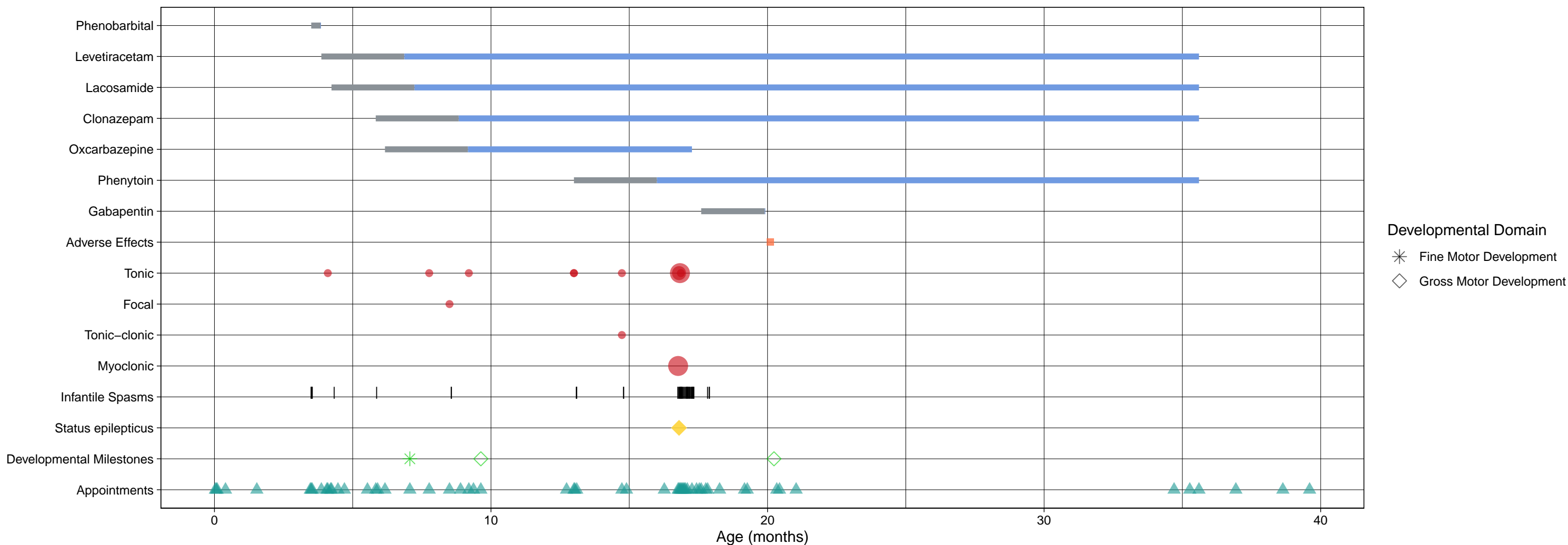
Seizure Index



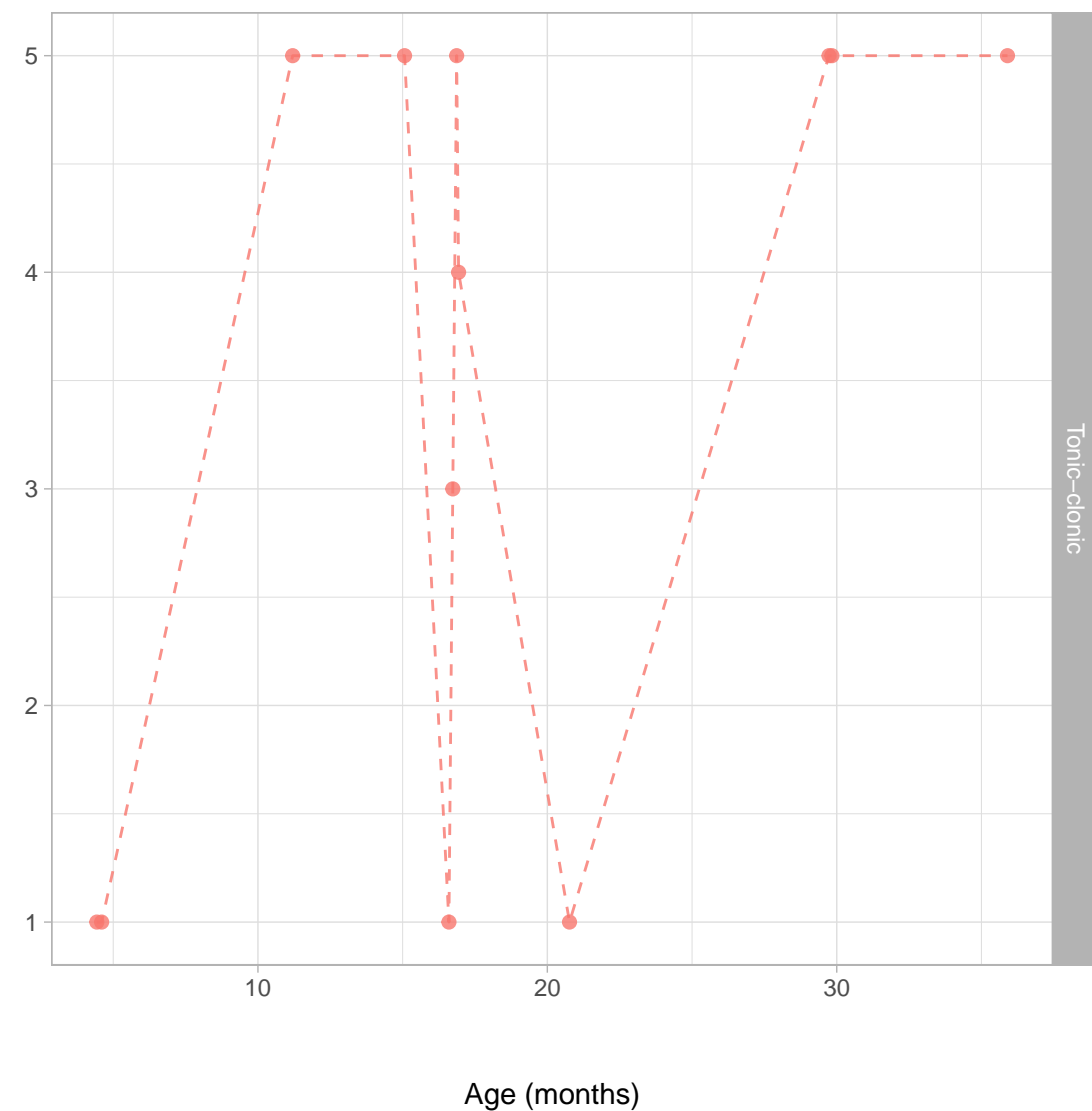
Seizure Index Comparisons



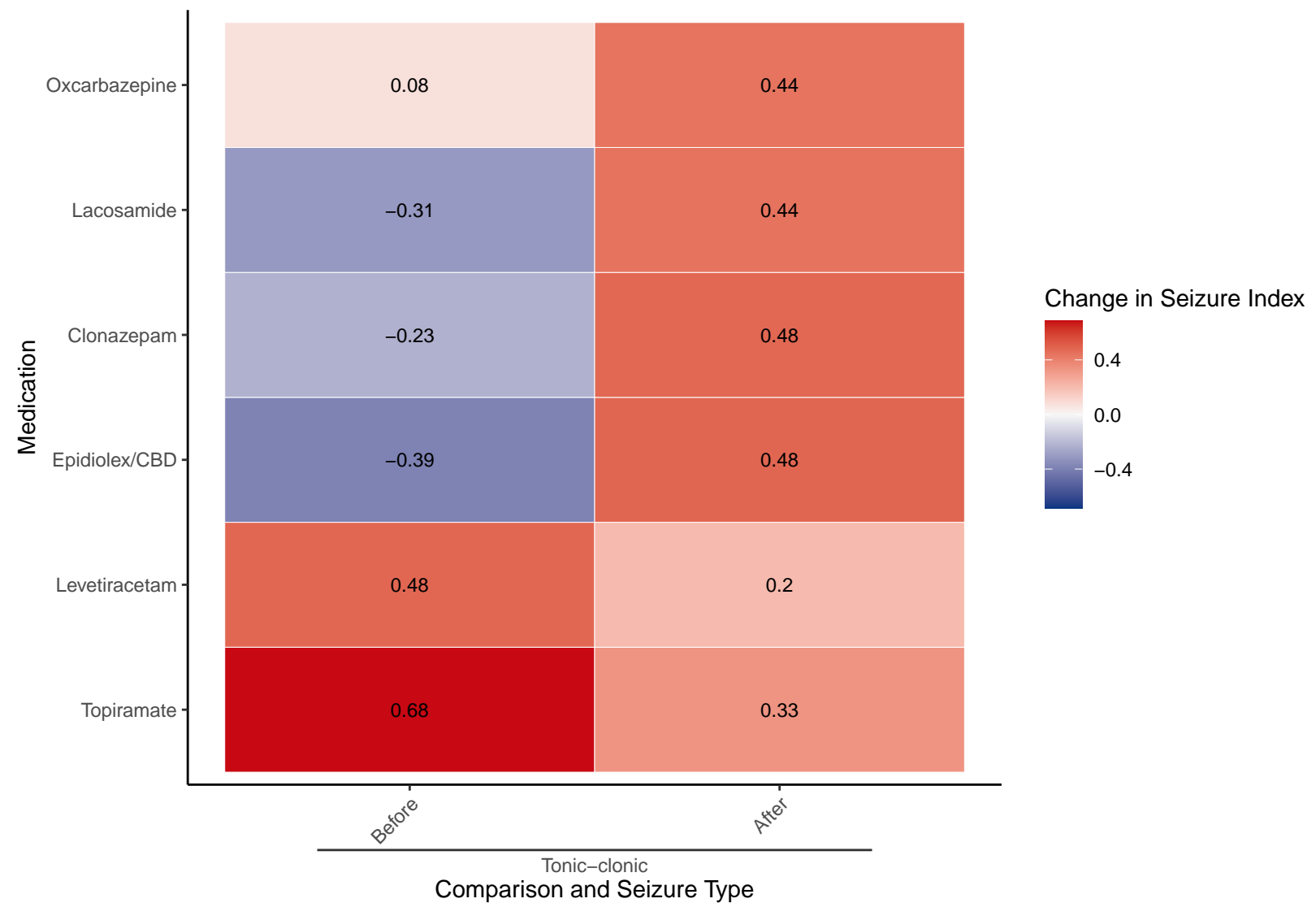
edb5f39d-987a-481e-8a09-2b549a96e92e (Registry #281) (p.Leu267Ser)



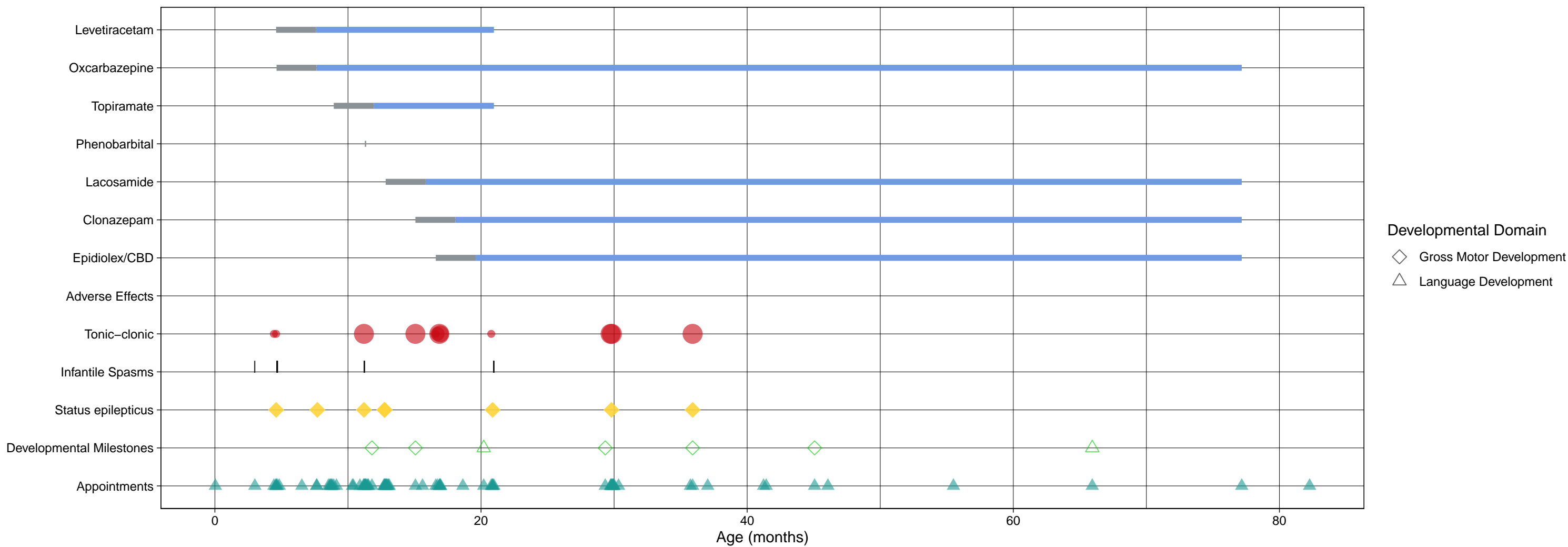
Seizure Index



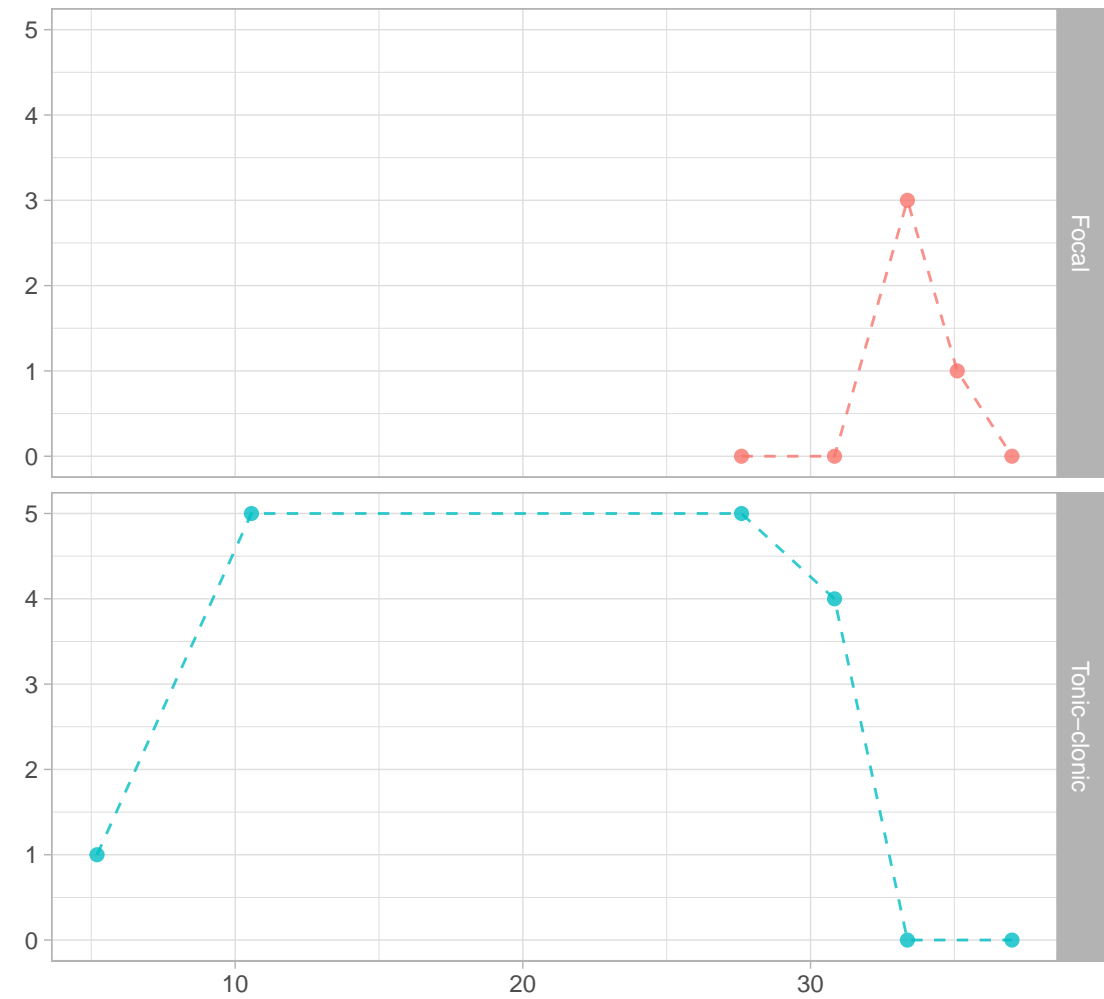
Seizure Index Comparisons



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

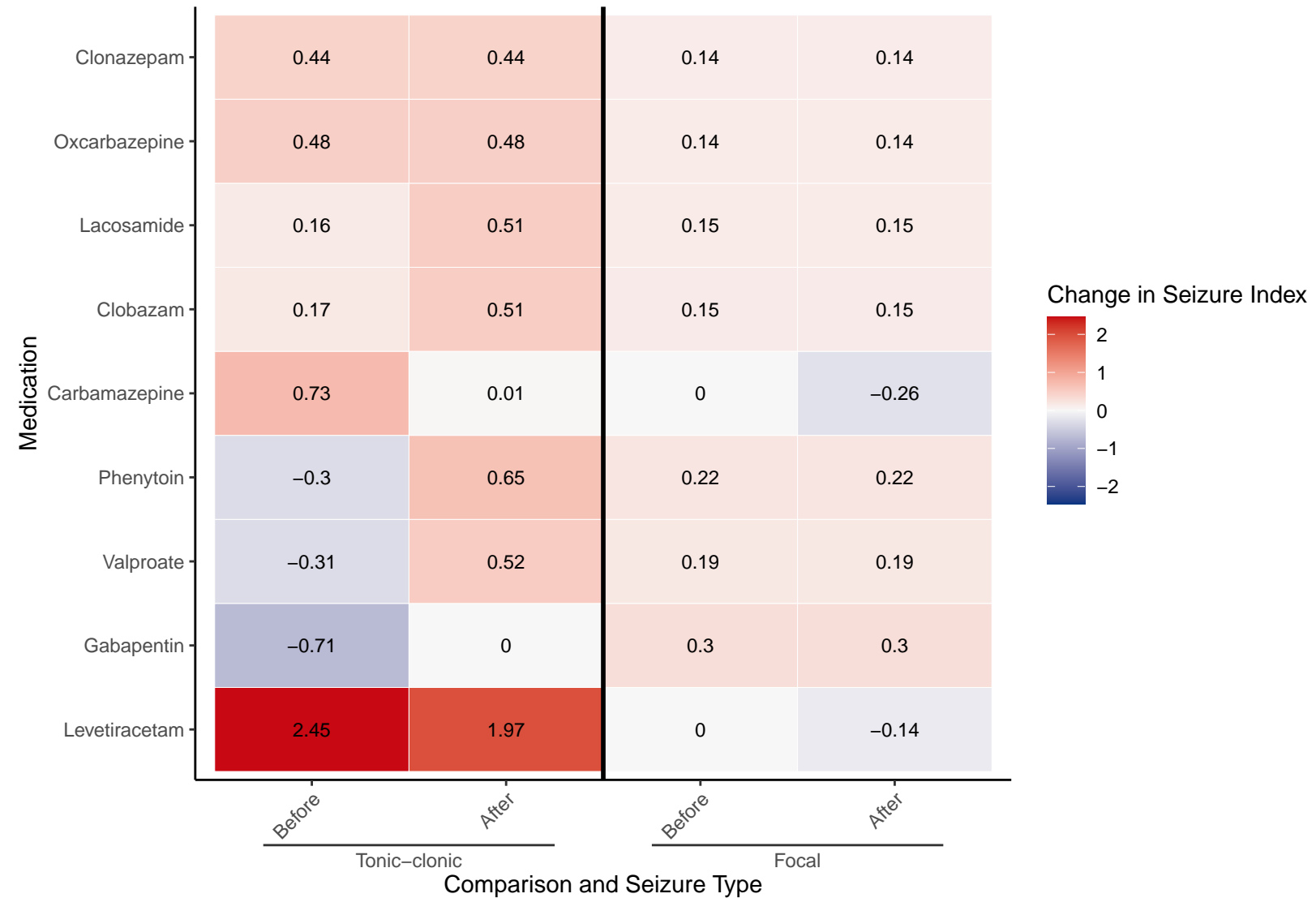


Seizure Index

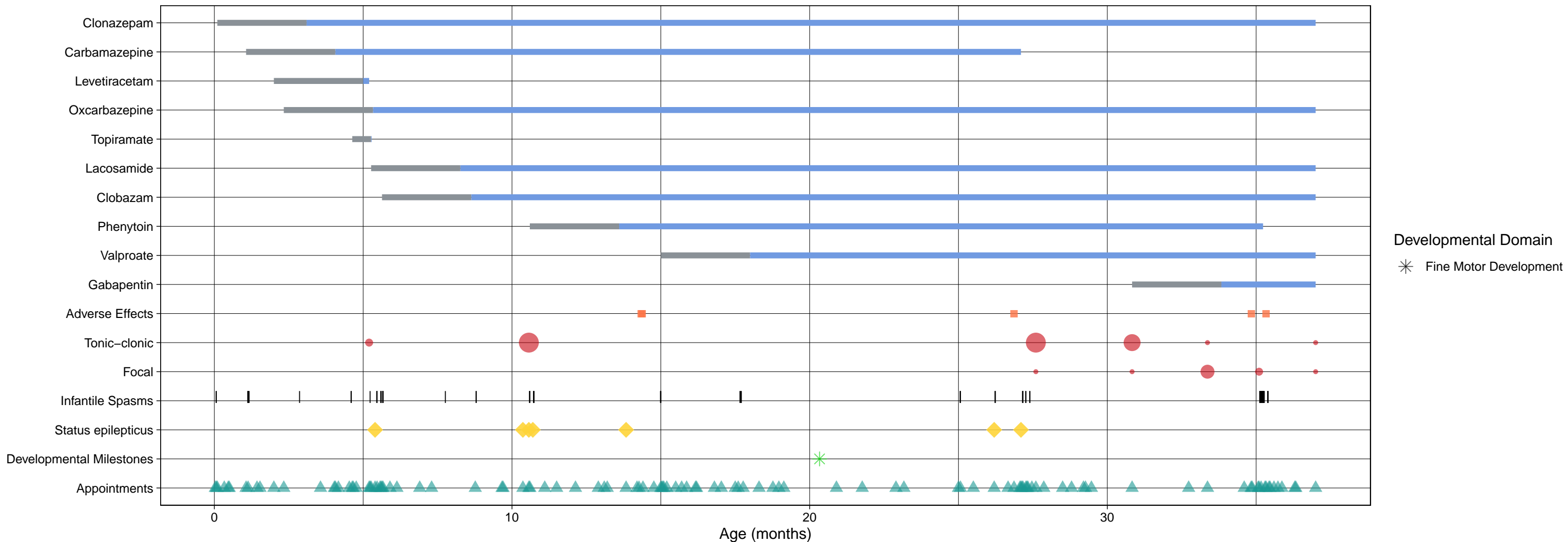


Age (months)

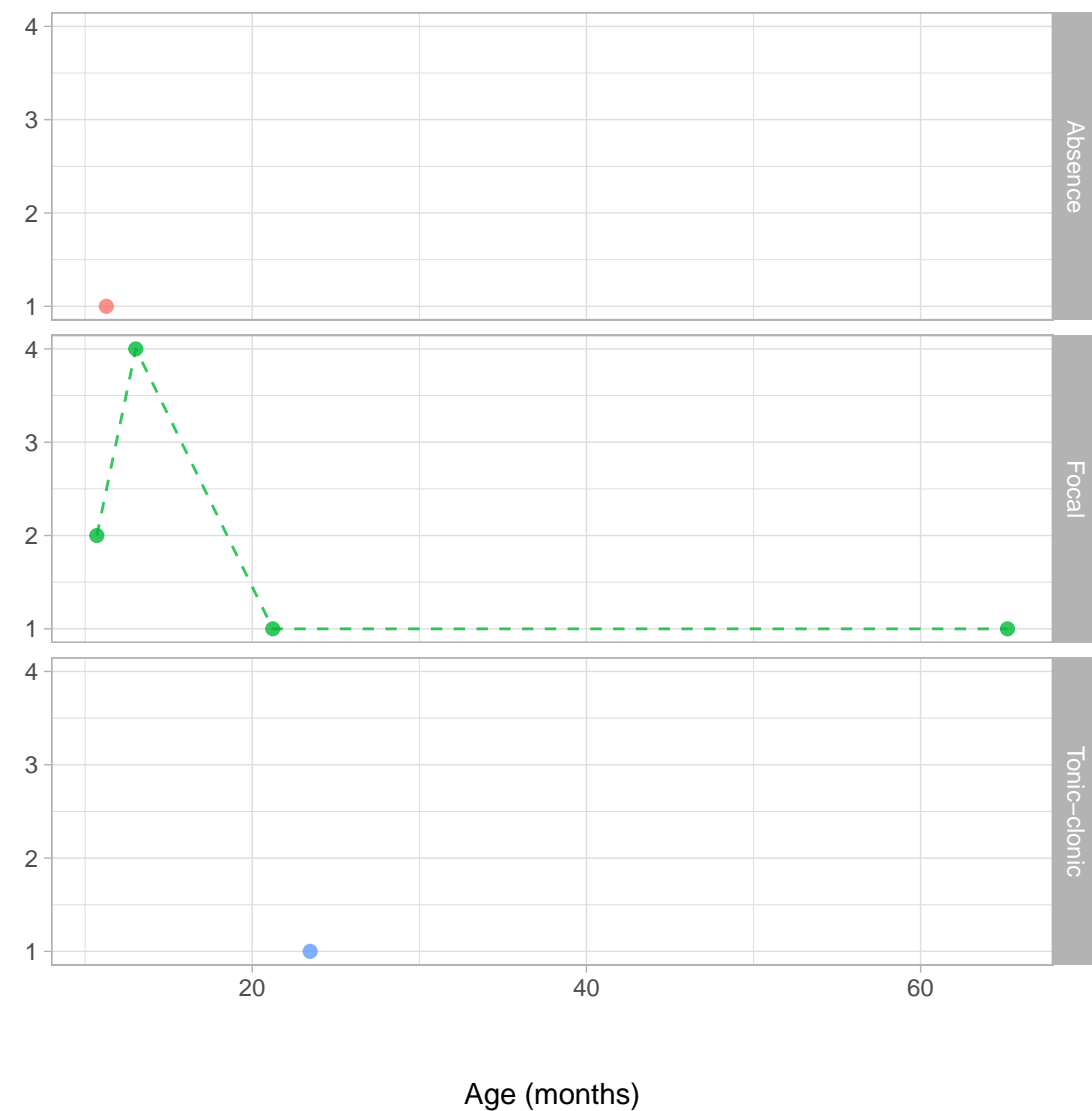
Seizure Index Comparisons



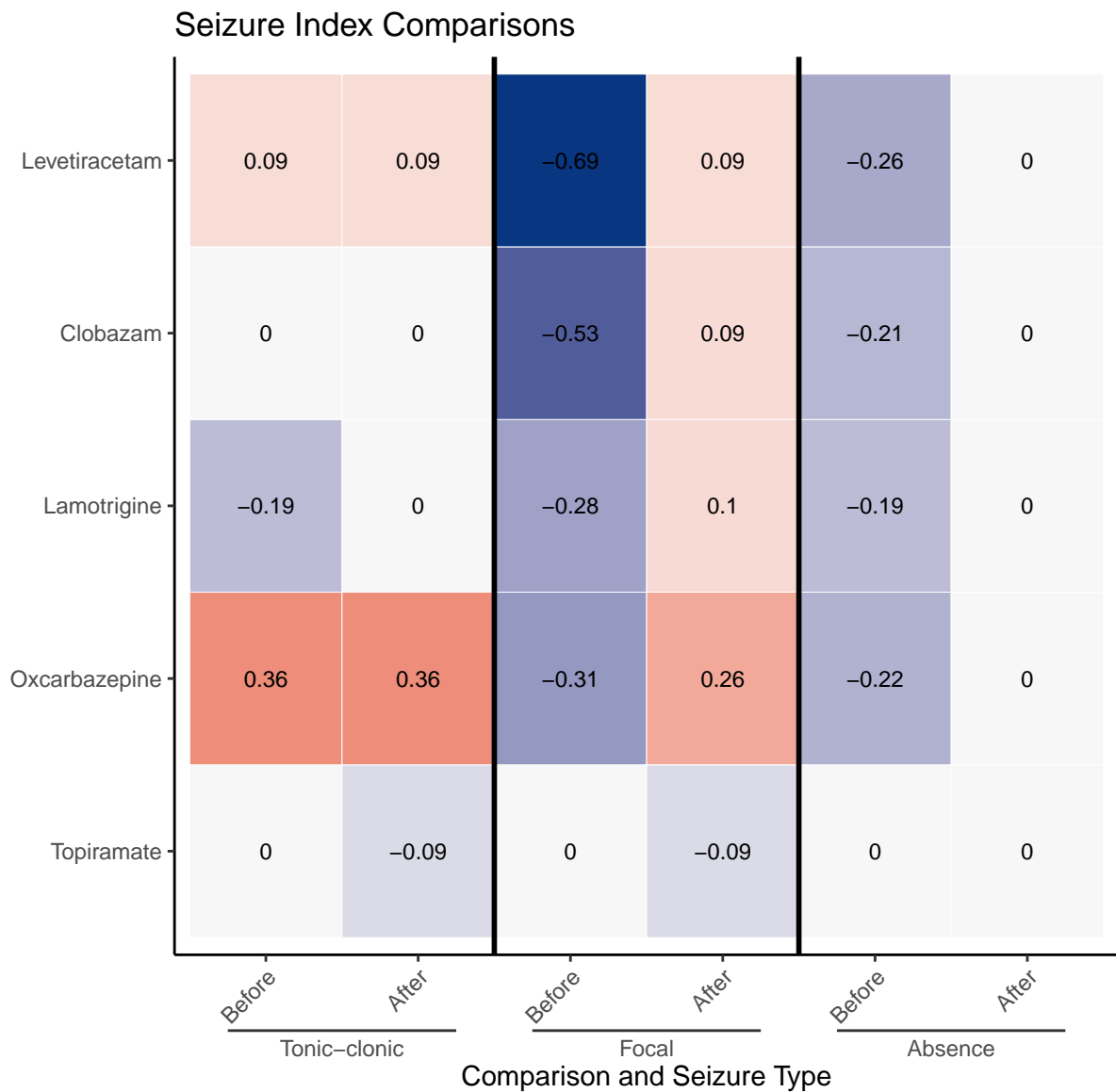
b9a49da3-795b-49a5-a198-b54b69efc7fe (Registry #363) (p.Val409Leu)



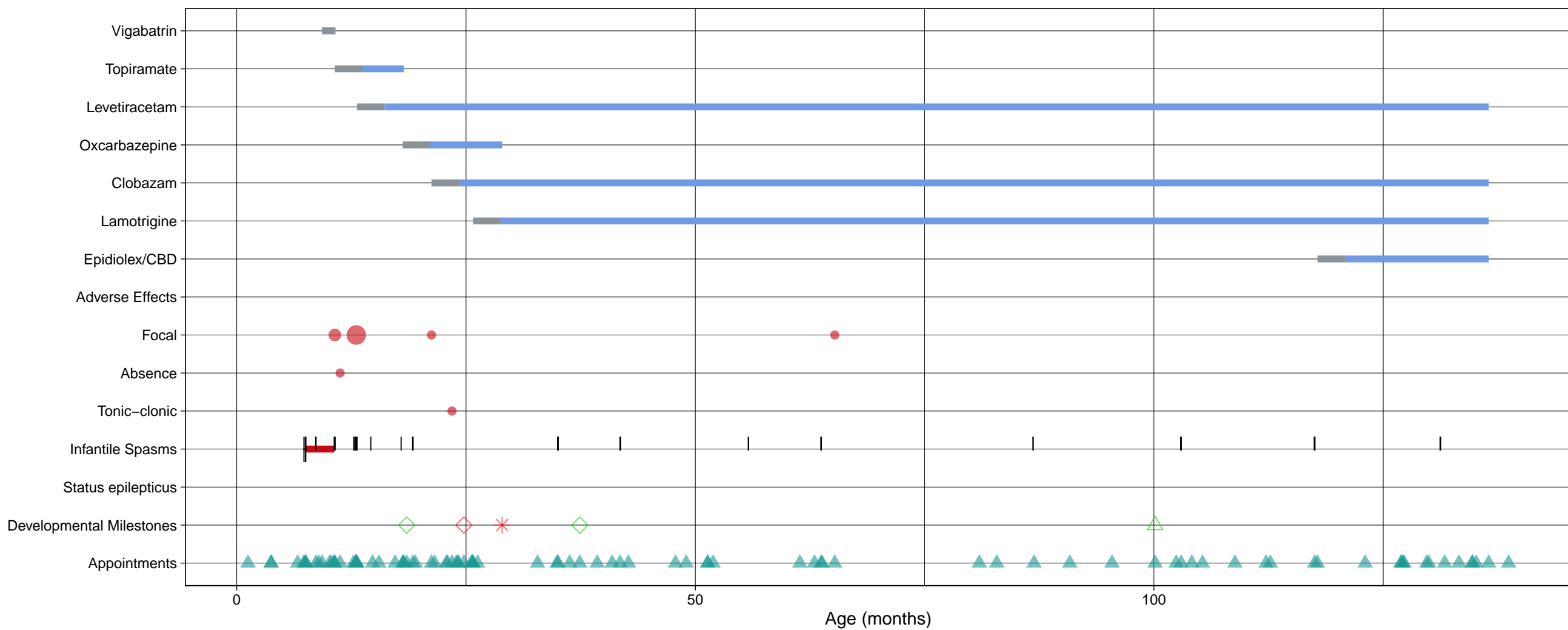
Seizure Index



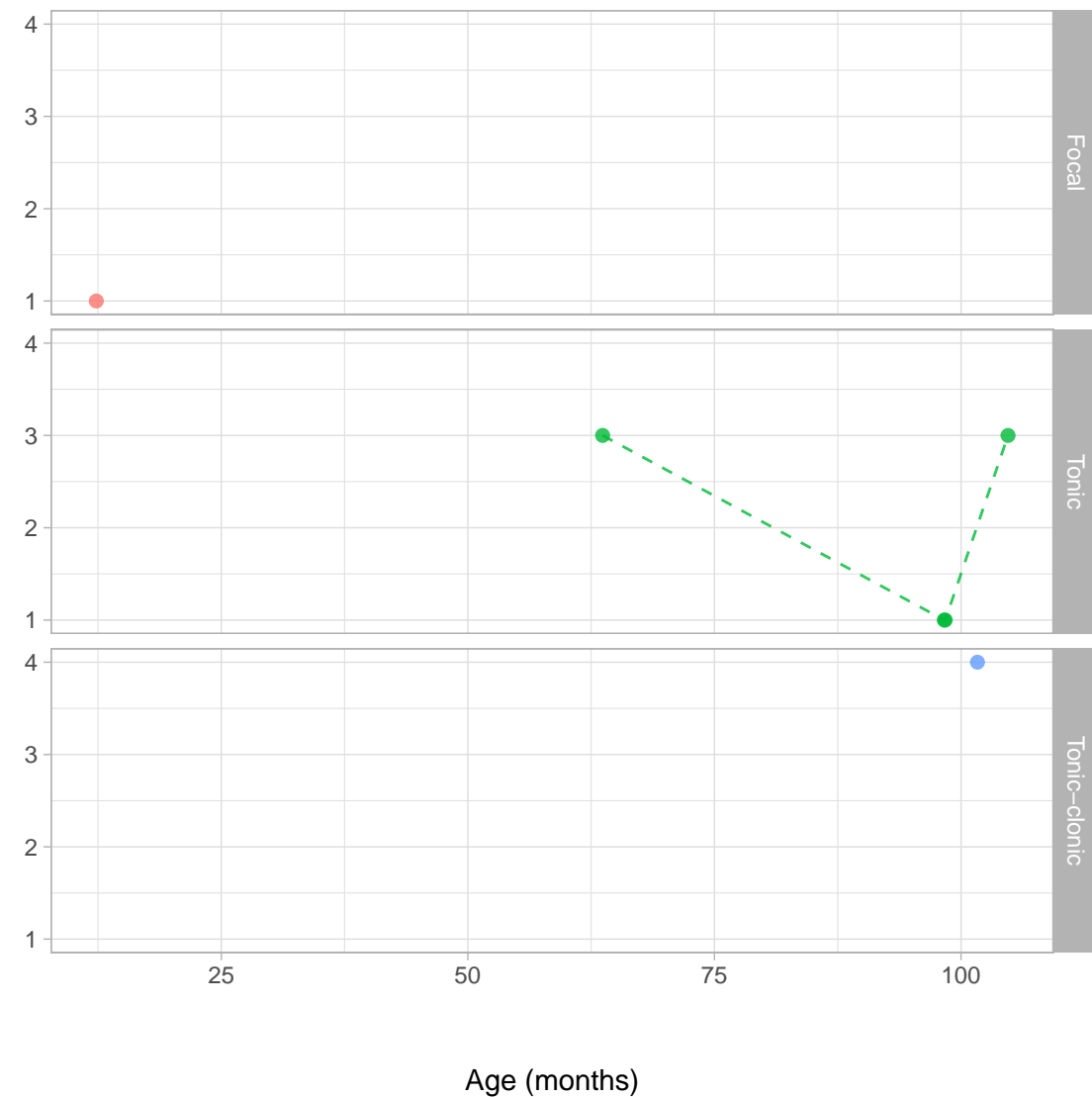
Medication



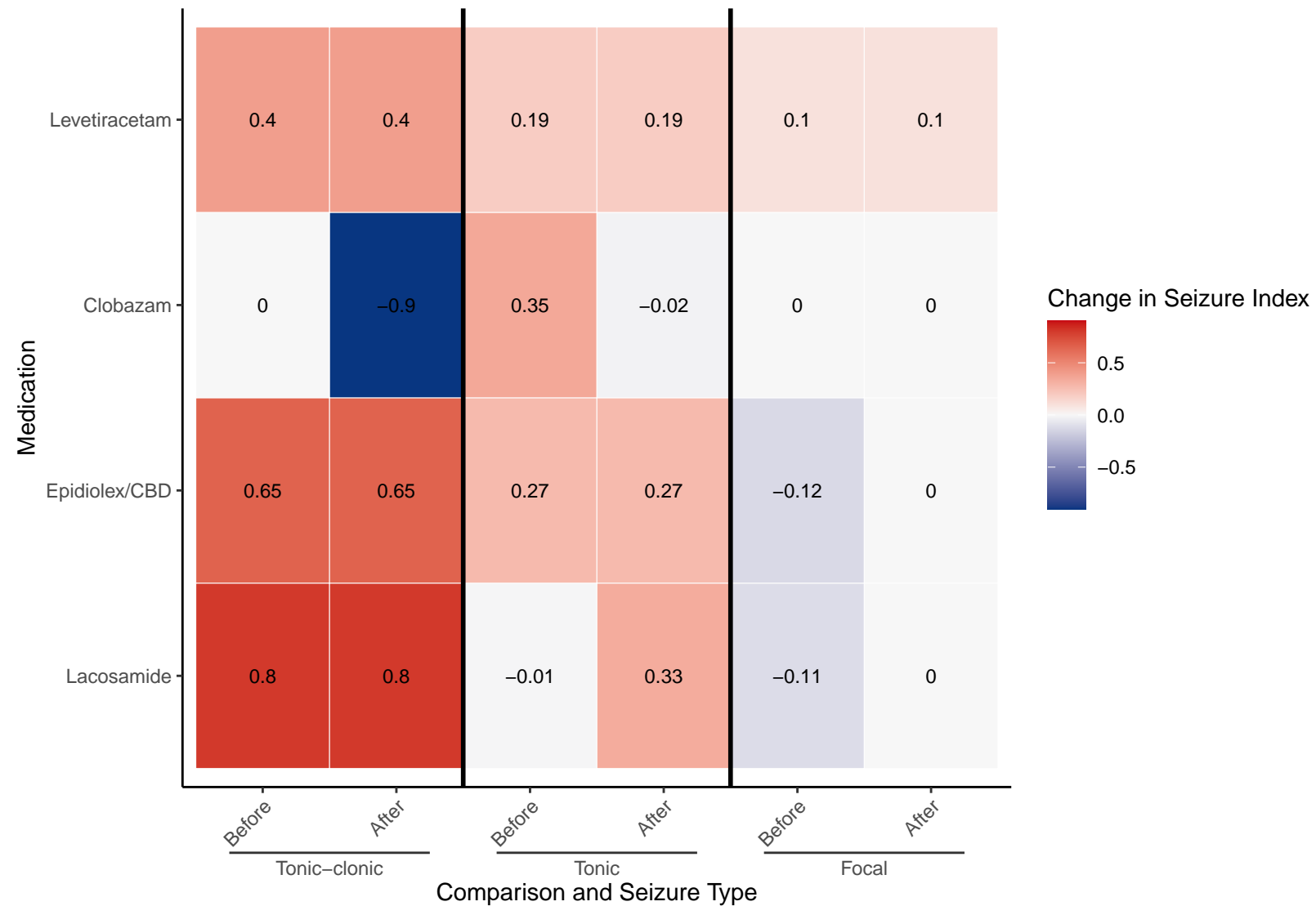
42e08160-64fd-4f1f-9d7a-f771650073d7 (Registry #109 and 1285) (p.Val410Leu) - IF



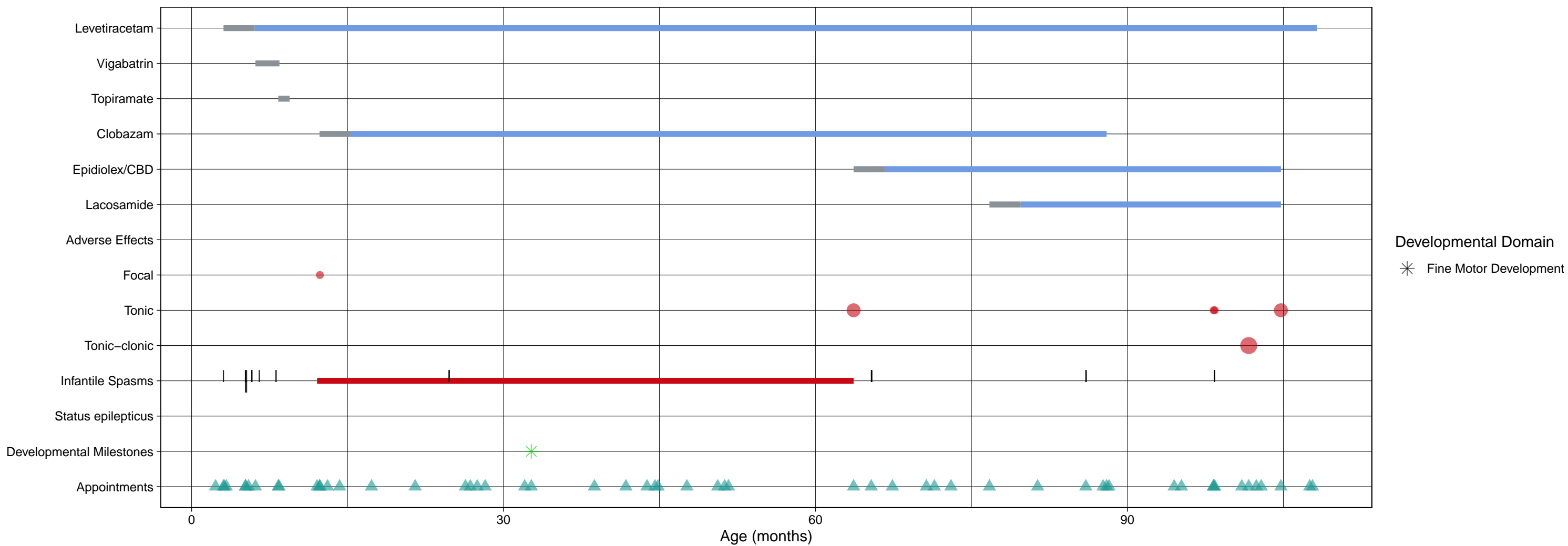
Seizure Index



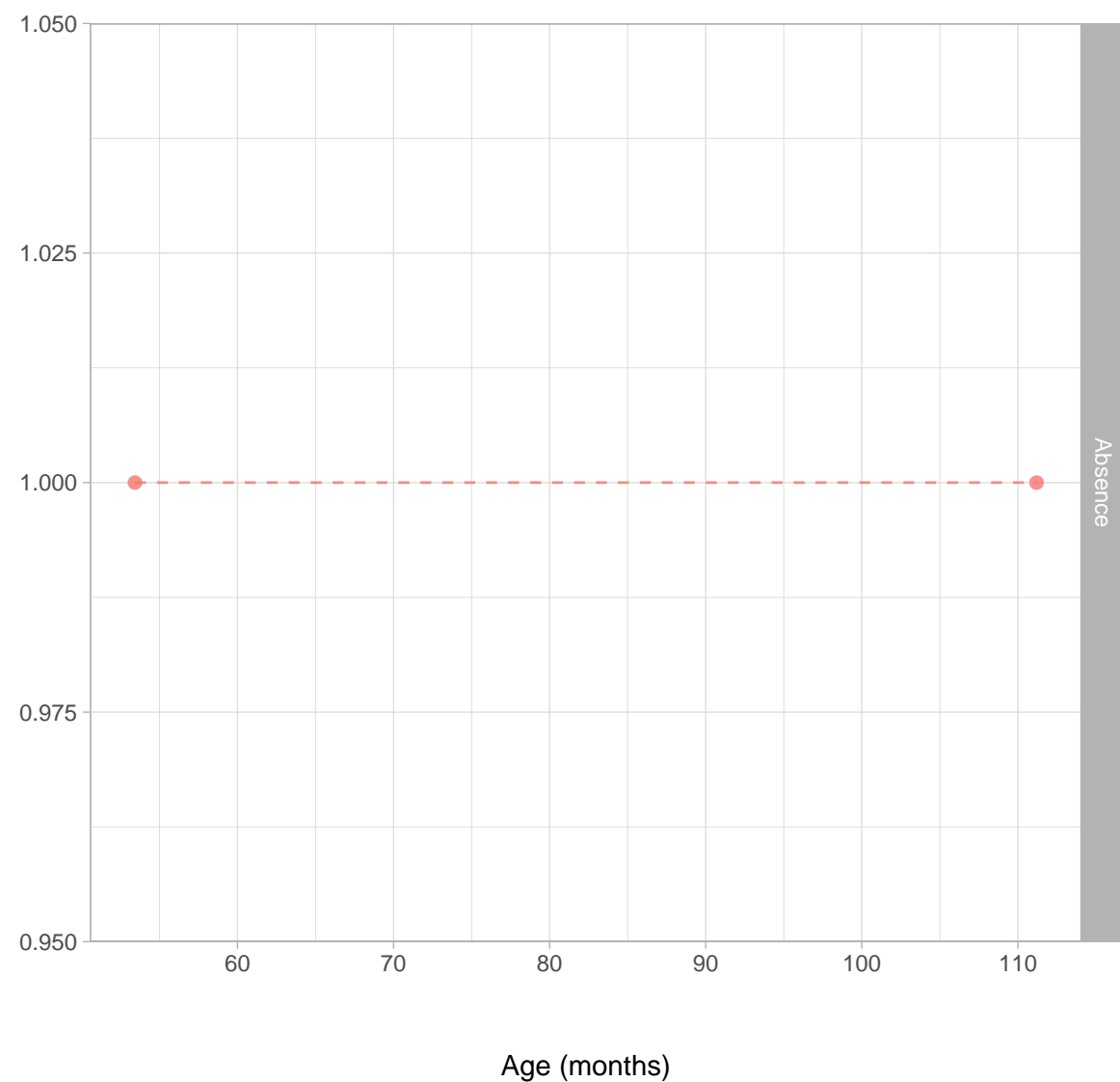
Seizure Index Comparisons



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



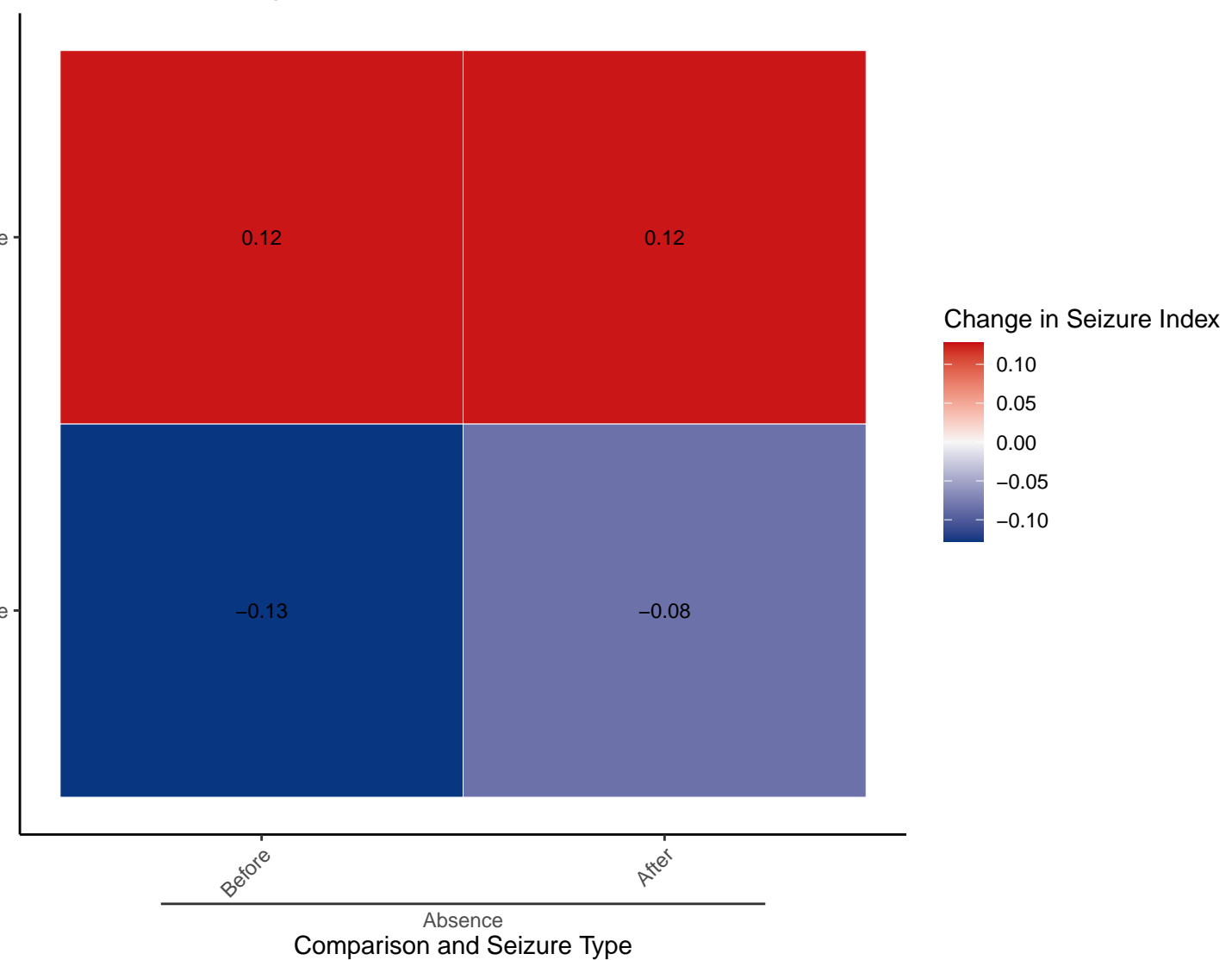
Seizure Index



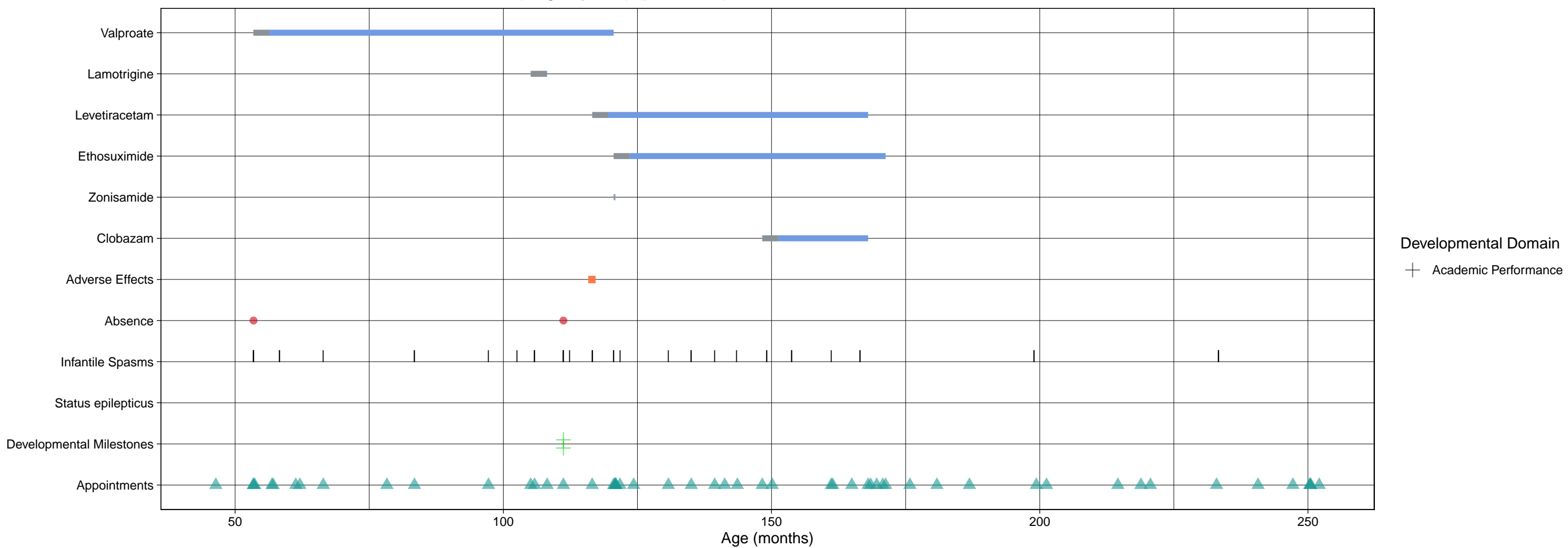
Medication

Valproate
Lamotrigine

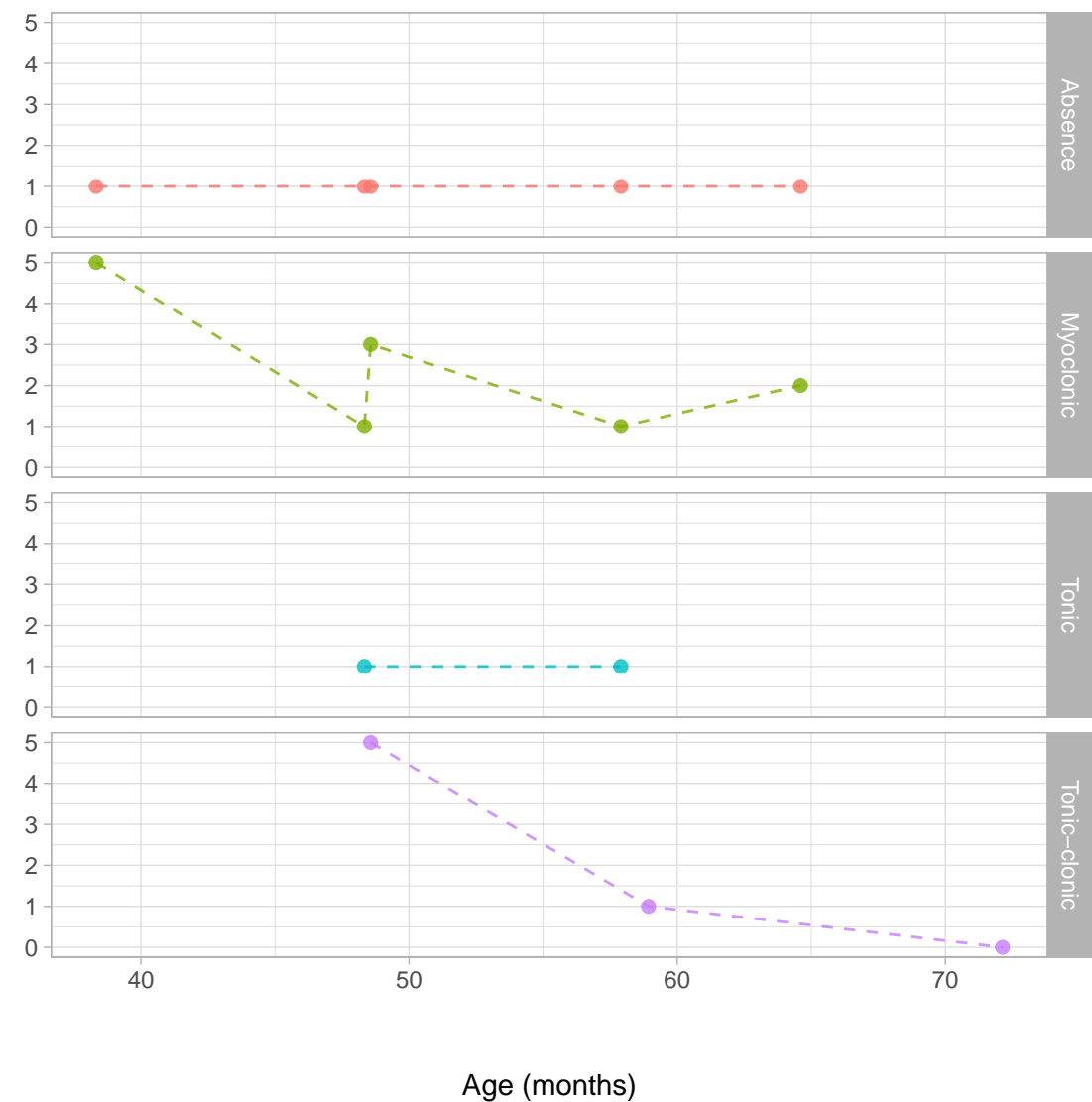
Seizure Index Comparisons



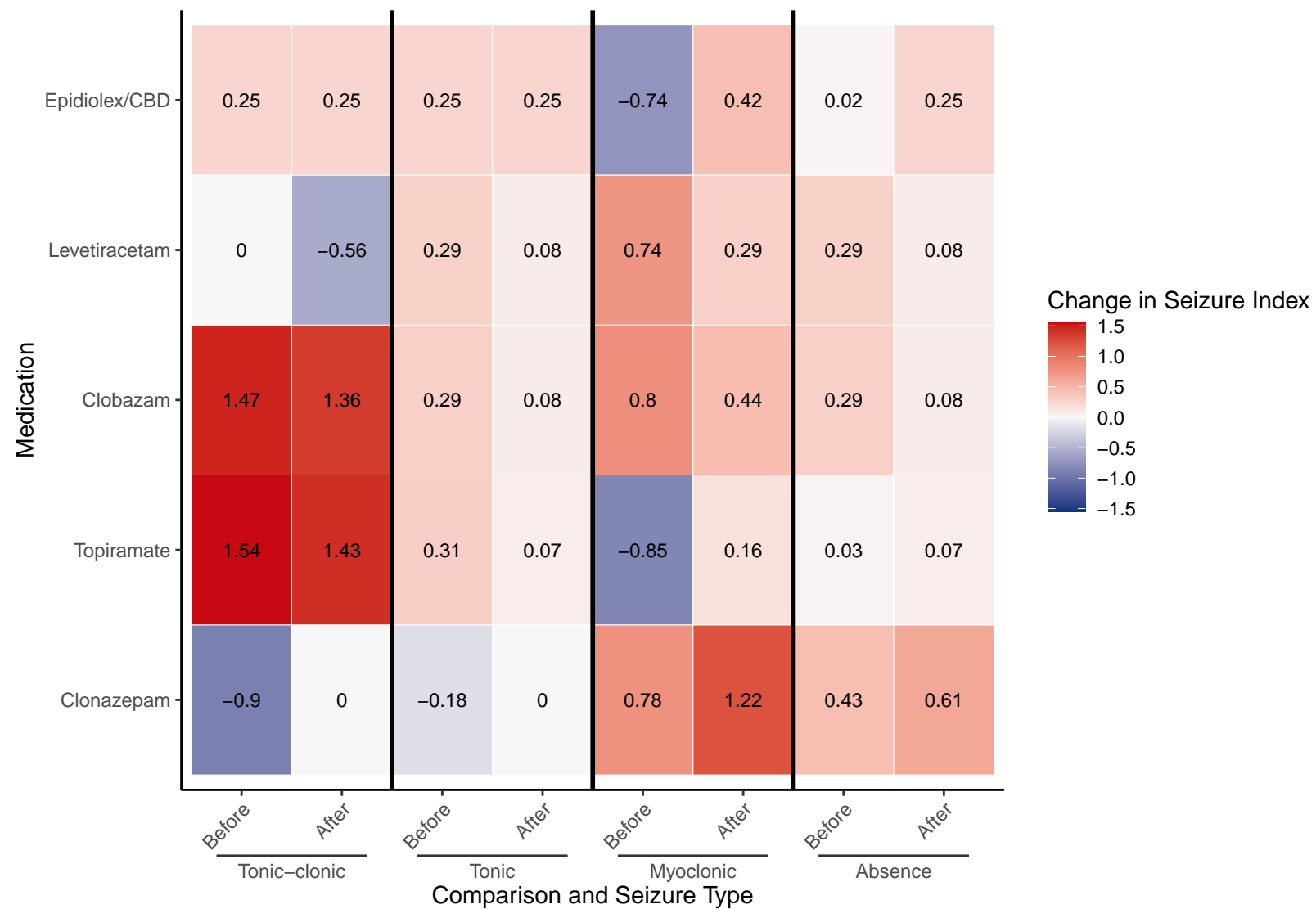
ec227c21-6fdc-46c2-95ef-4ecb6603083c (Registry #82) (p.Glu587*)



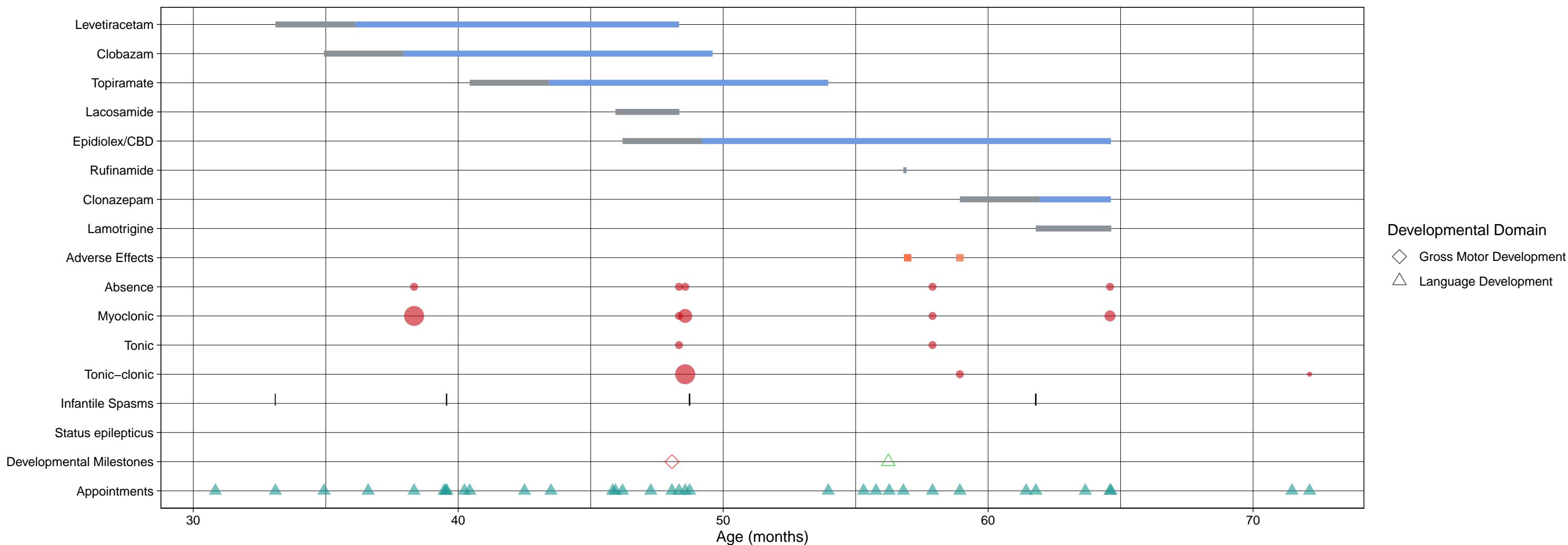
Seizure Index



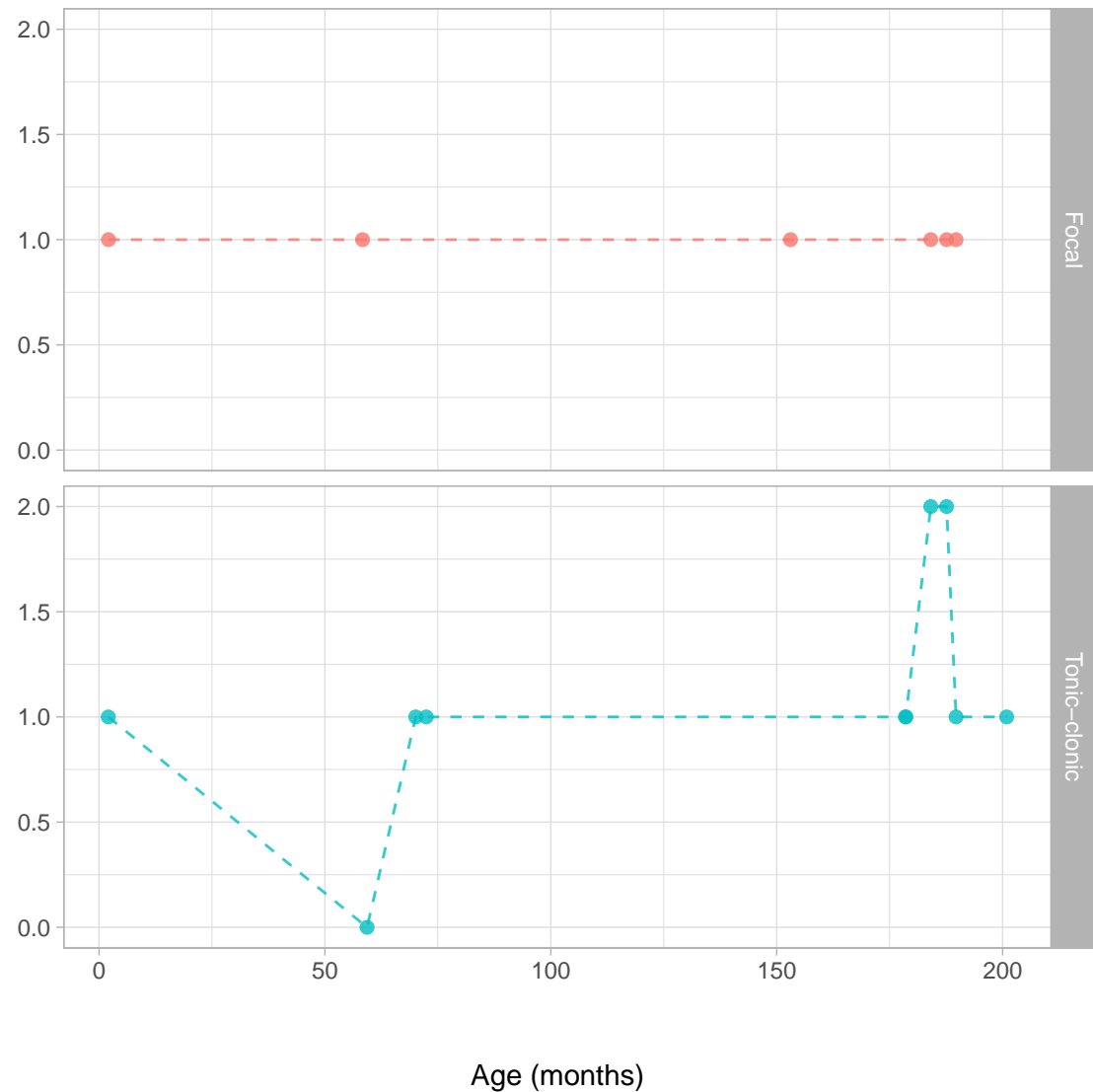
Seizure Index Comparisons



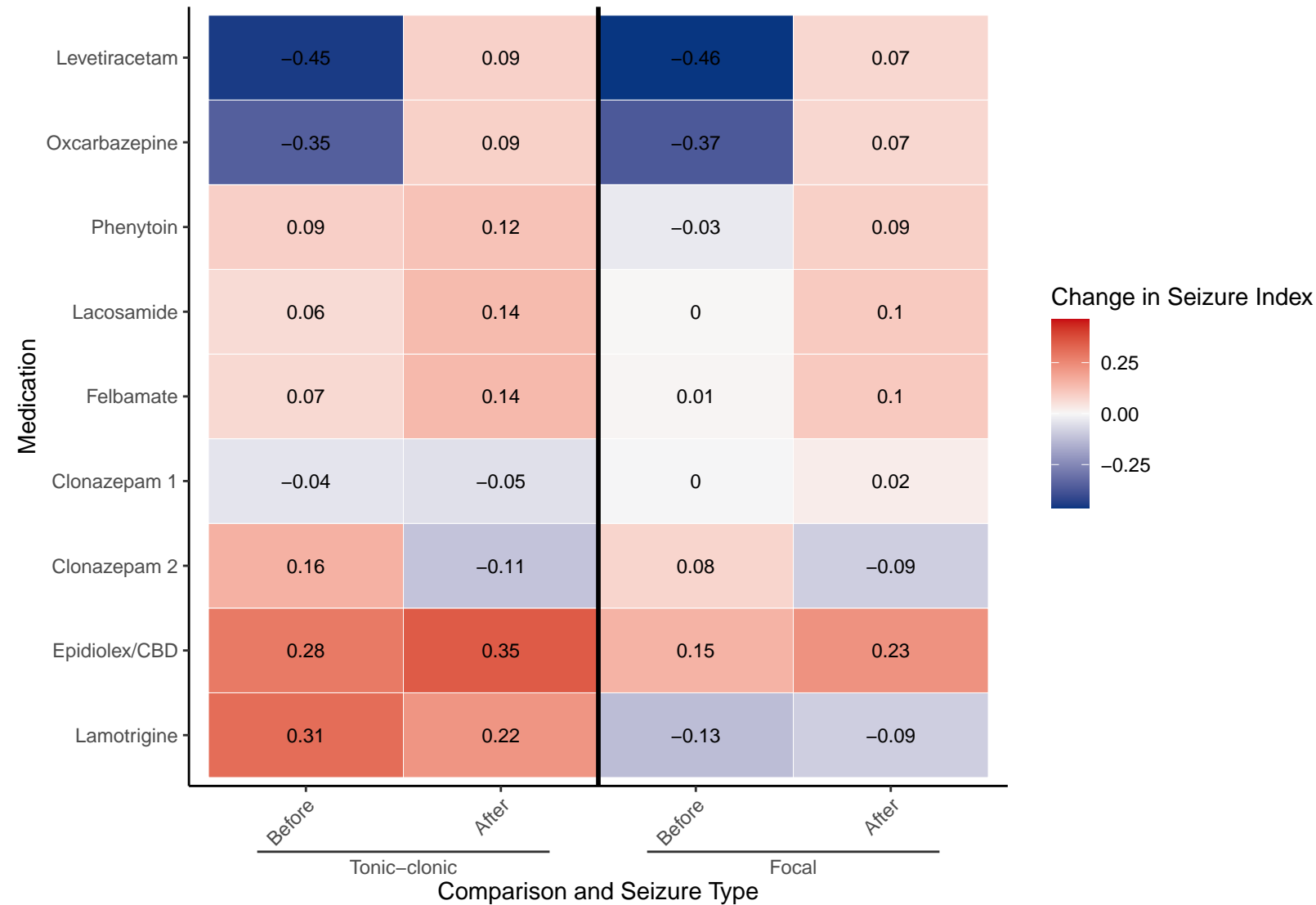
588a77f3-6a37-4757-8941-070f69cf95b1 (Registry #92) (p.Glu593Asp)



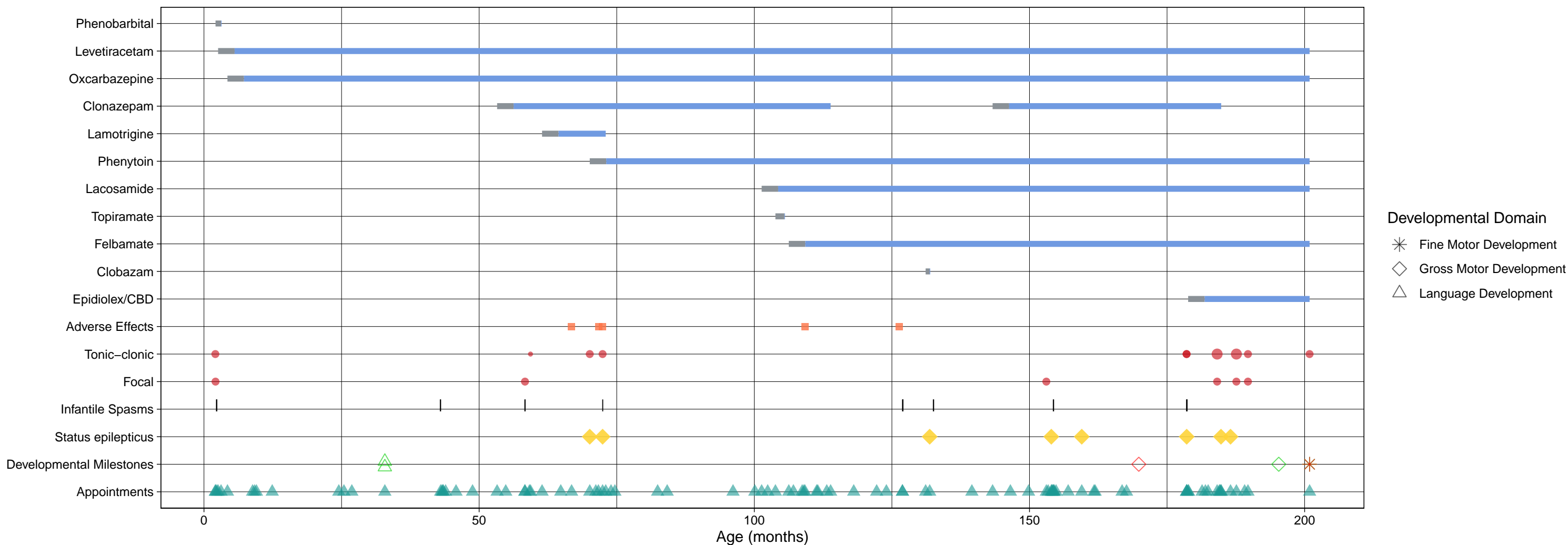
Seizure Index



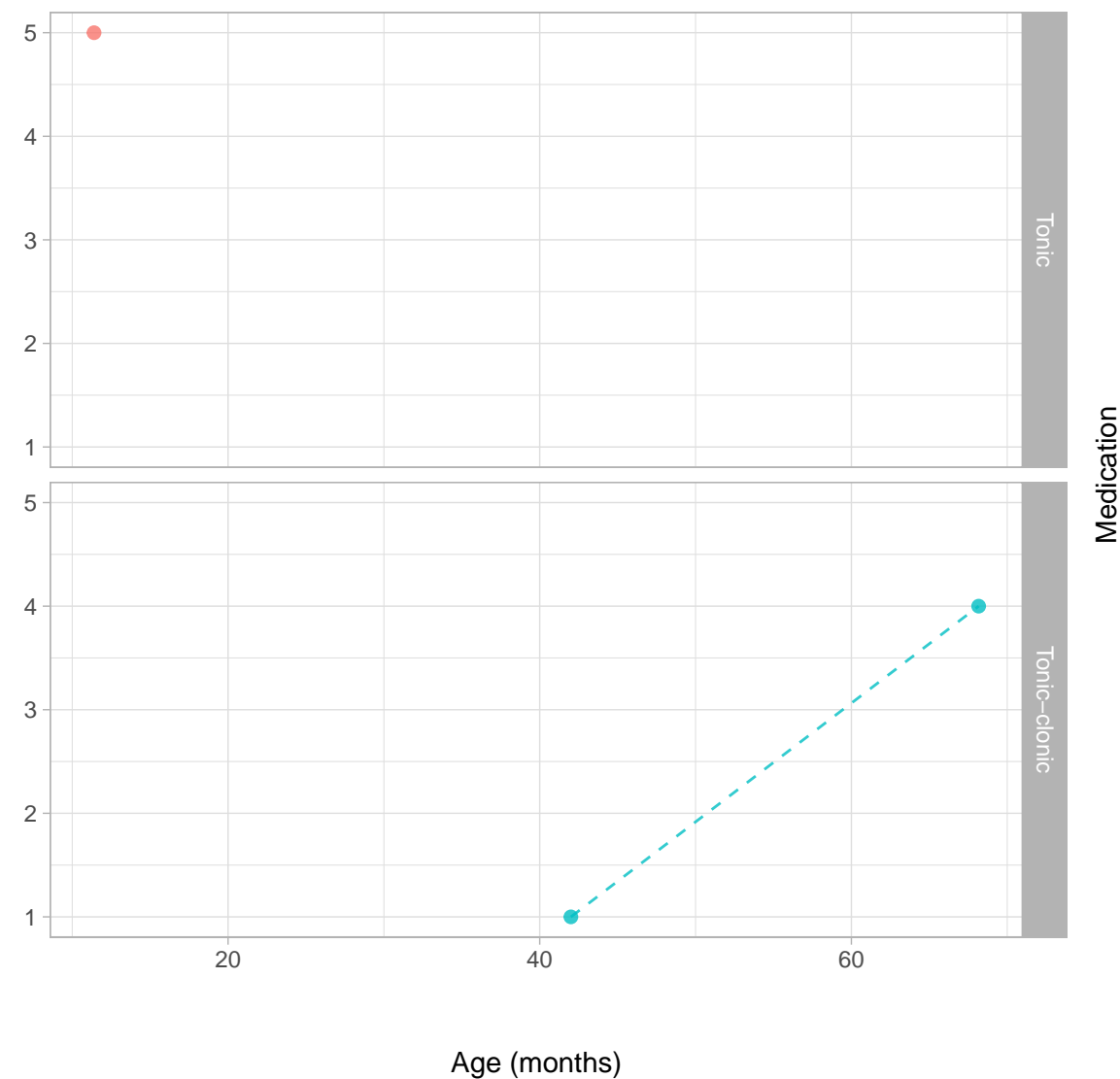
Seizure Index Comparisons



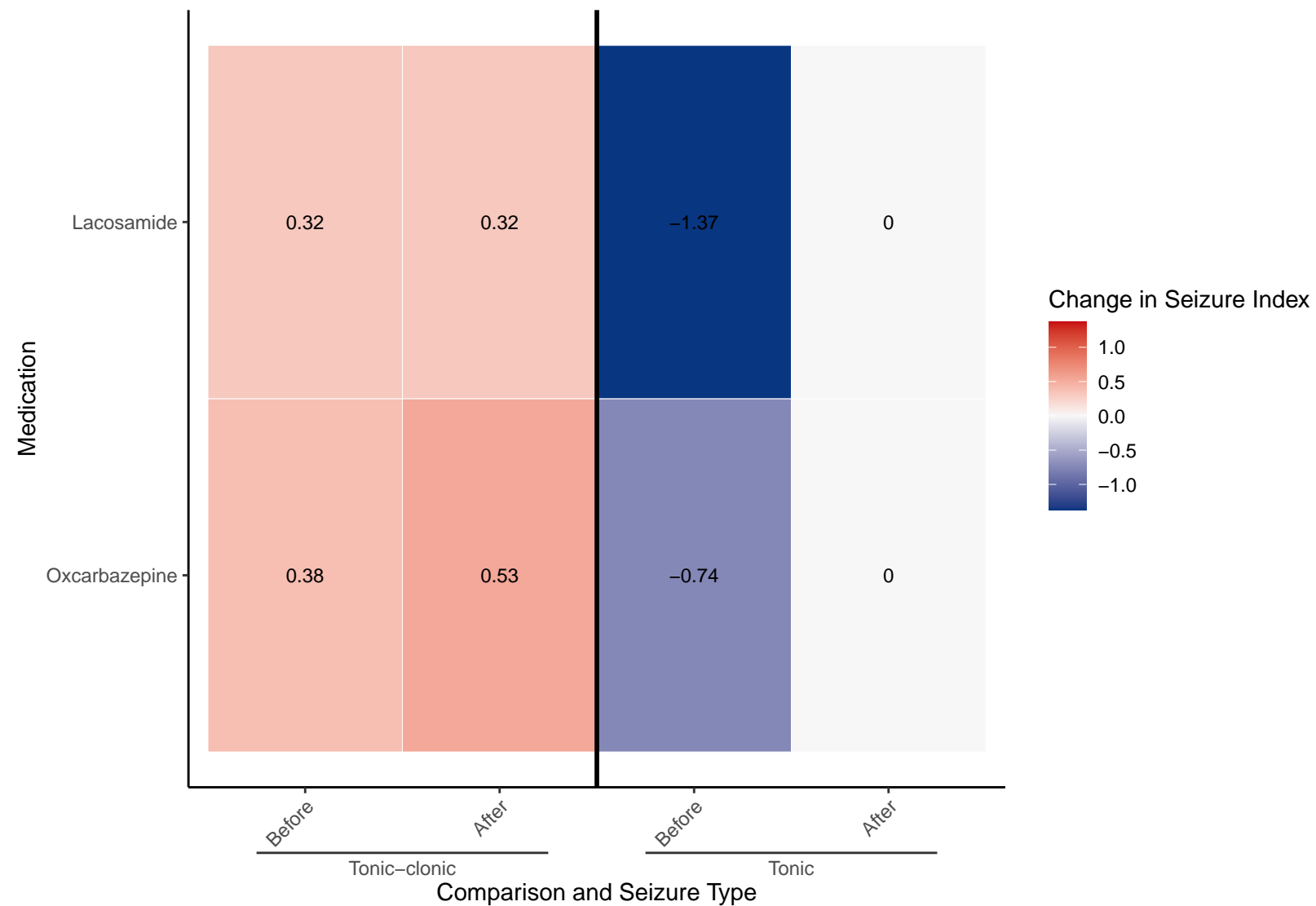
fb4dc826-0823-4535-8283-04a6bb4968d2 (Registry #589) (p.Leu840Phe)



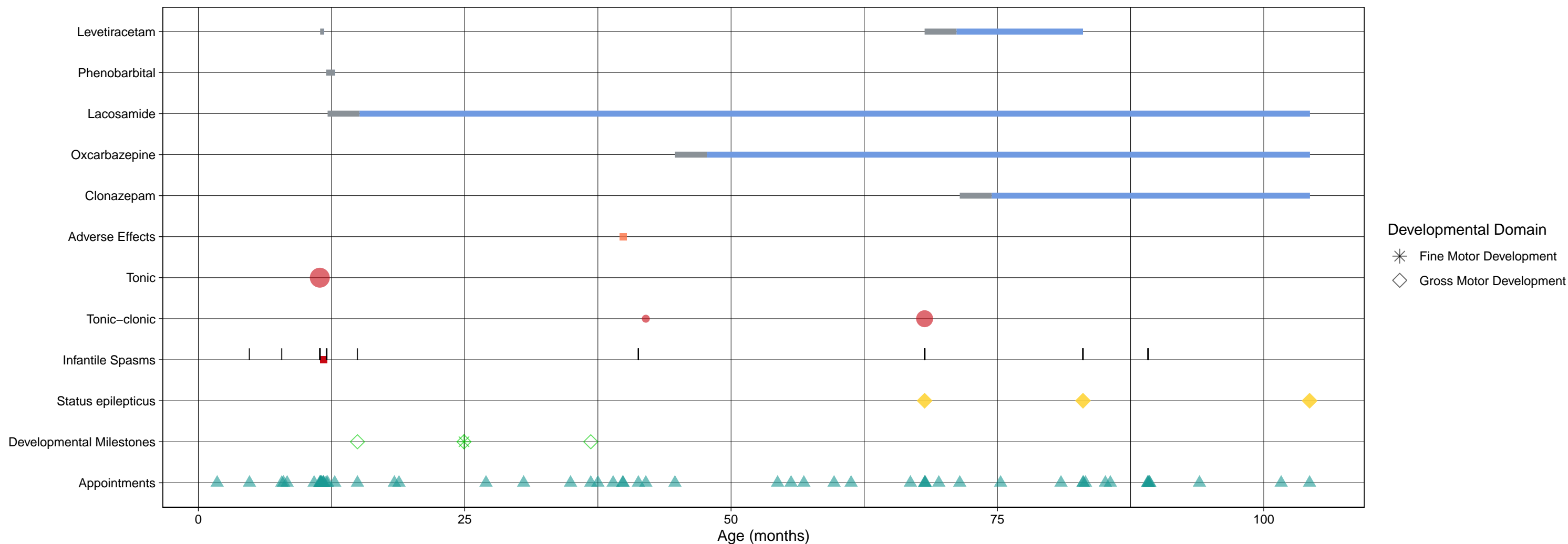
Seizure Index



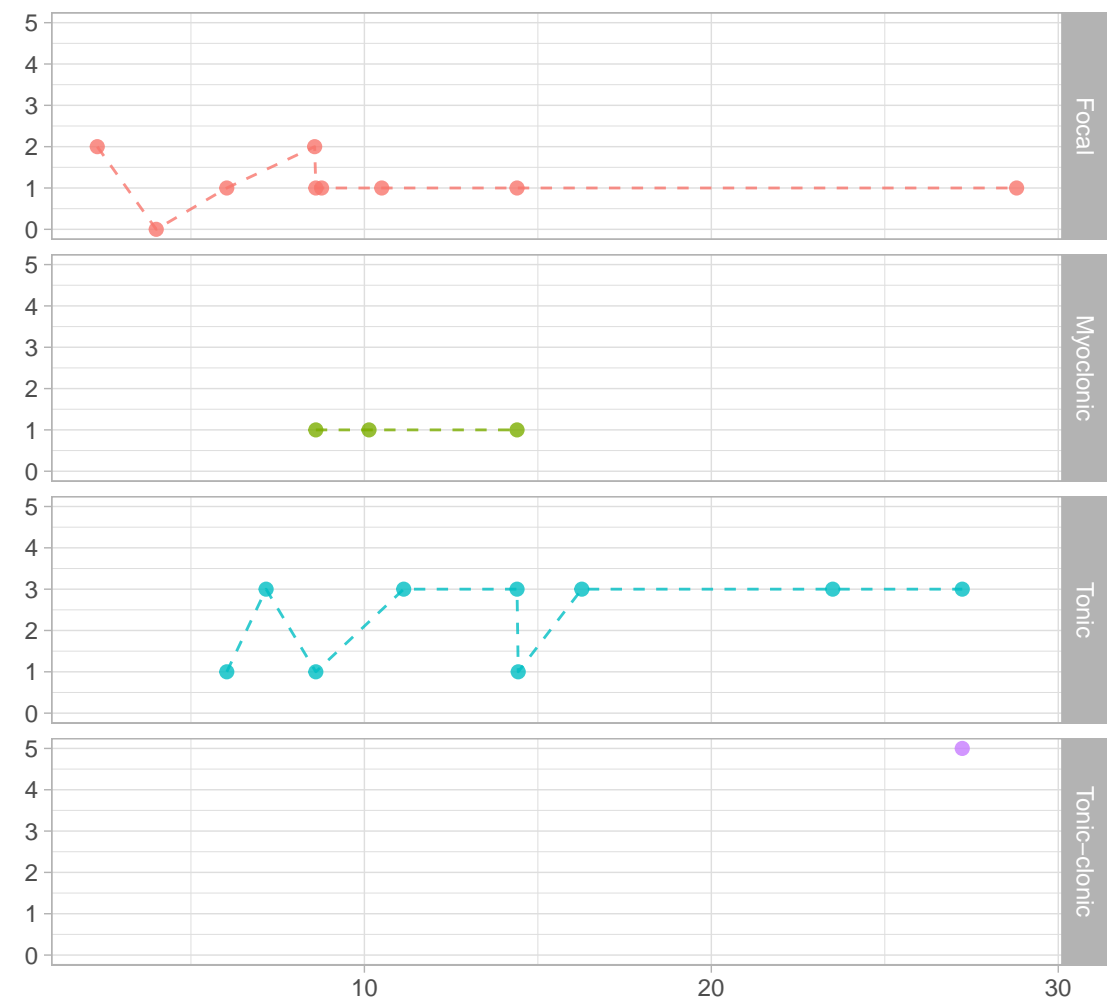
Seizure Index Comparisons



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

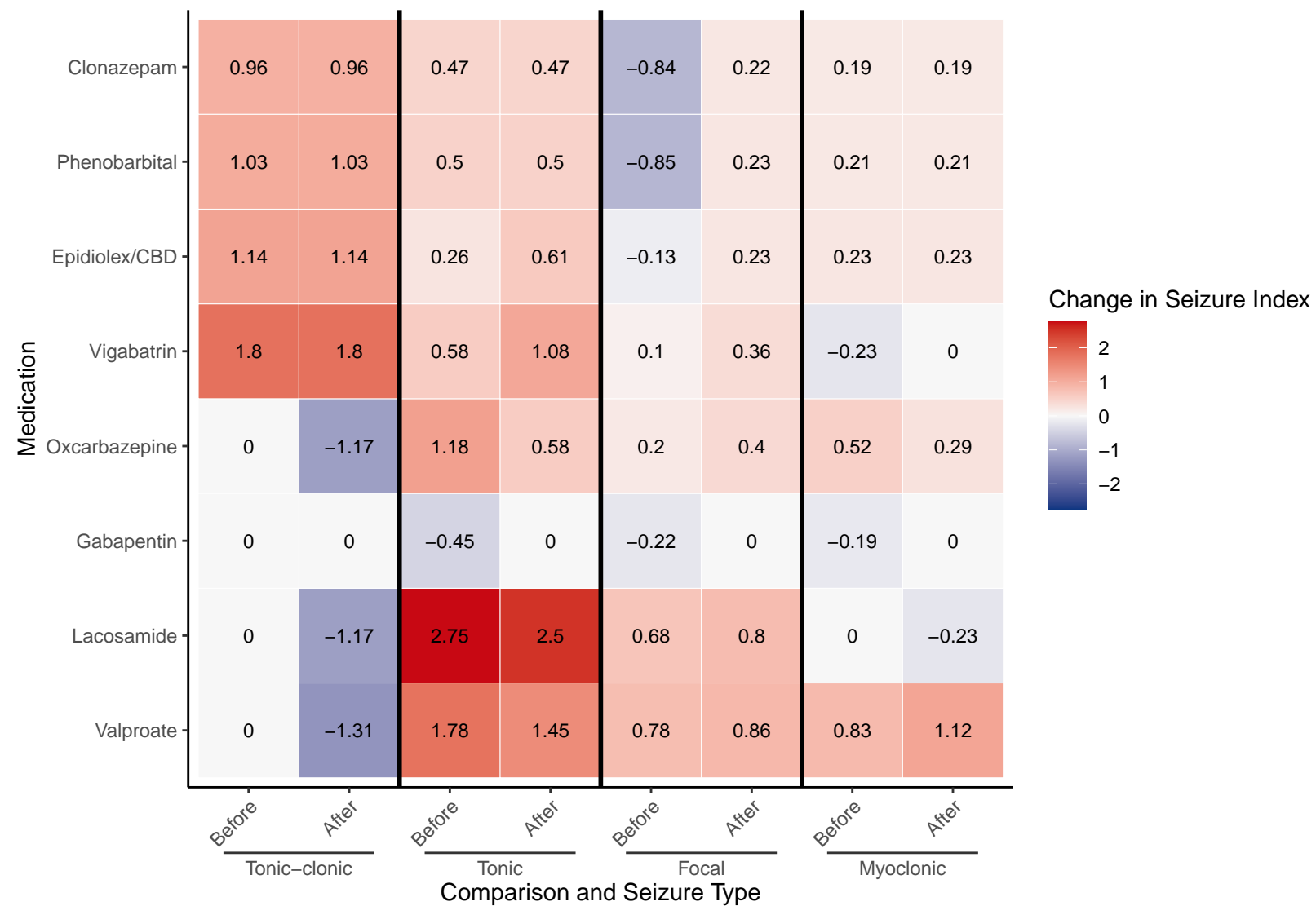


Seizure Index



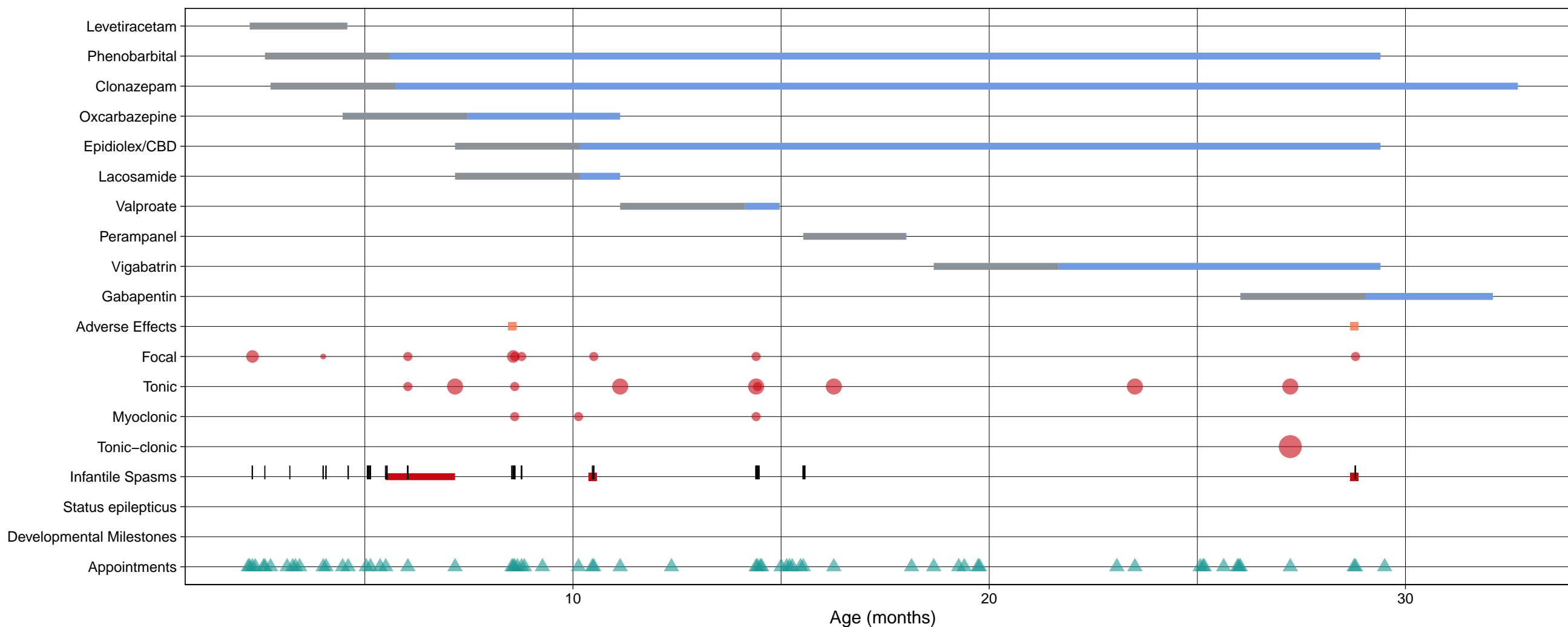
Age (months)

Seizure Index Comparisons

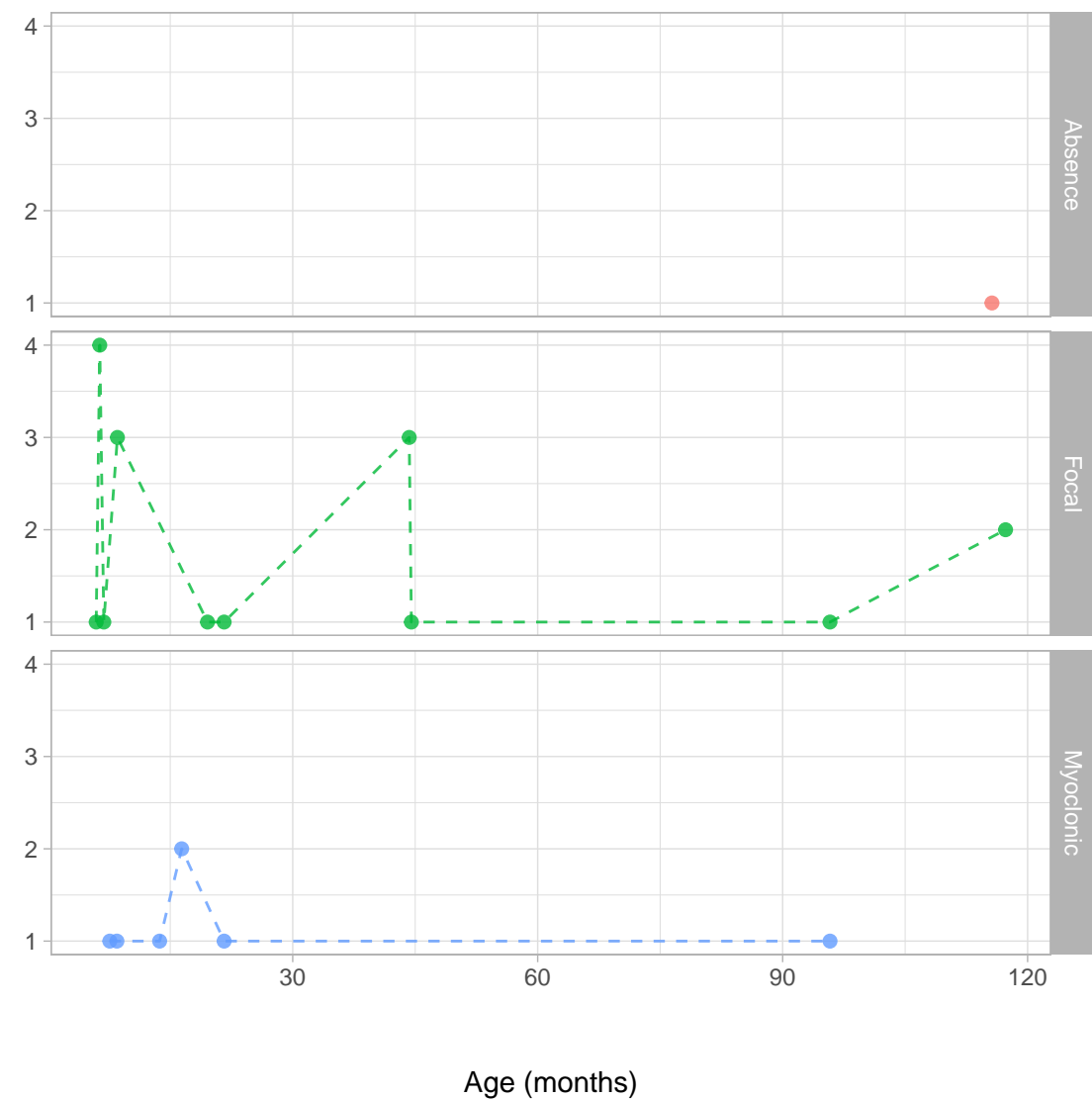


Comparison and Seizure Type

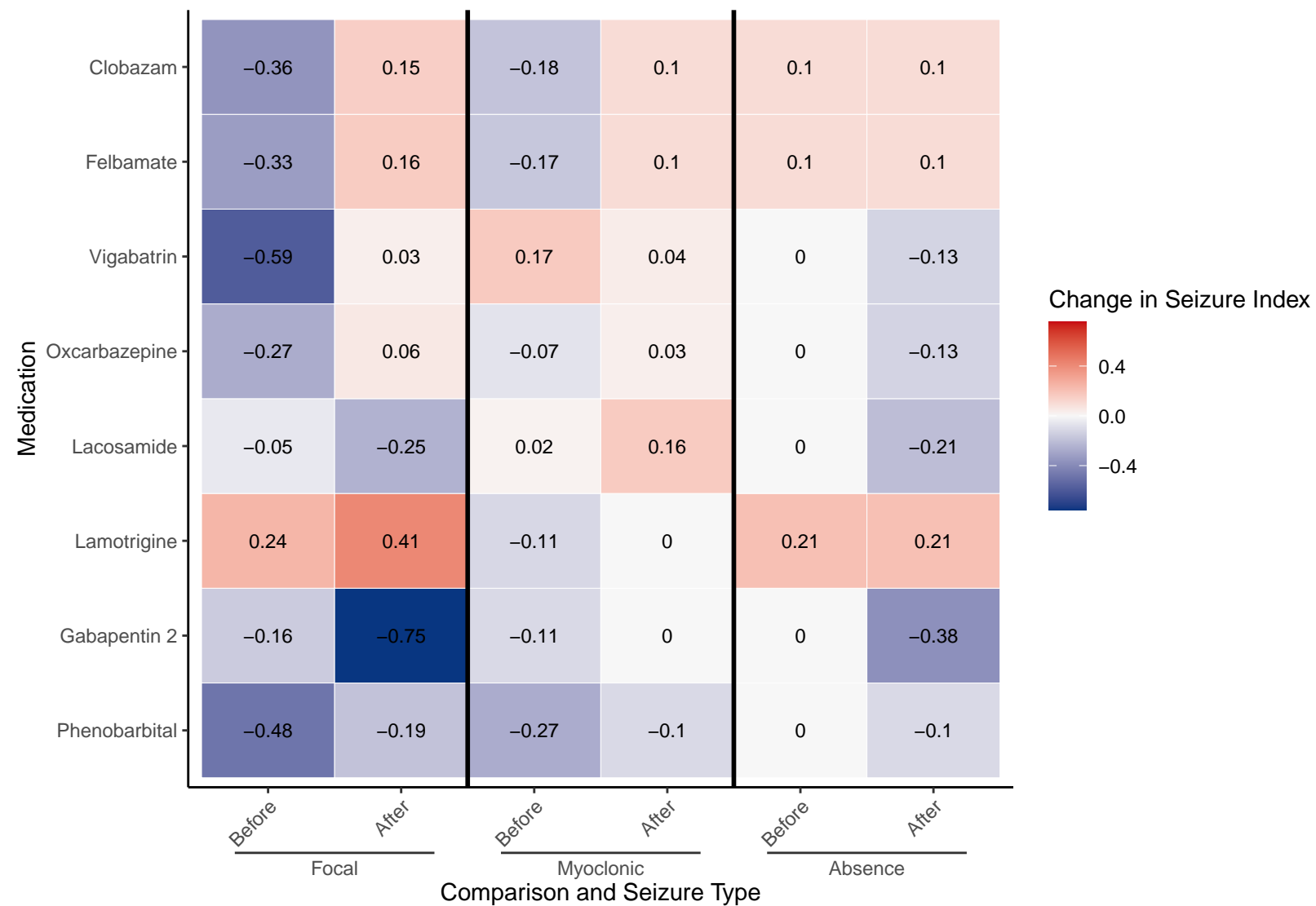
73f5def4-d325-4abc-a24f-5d4d0b1fa72d (Registry #58) (p.Arg850Gln) – IF



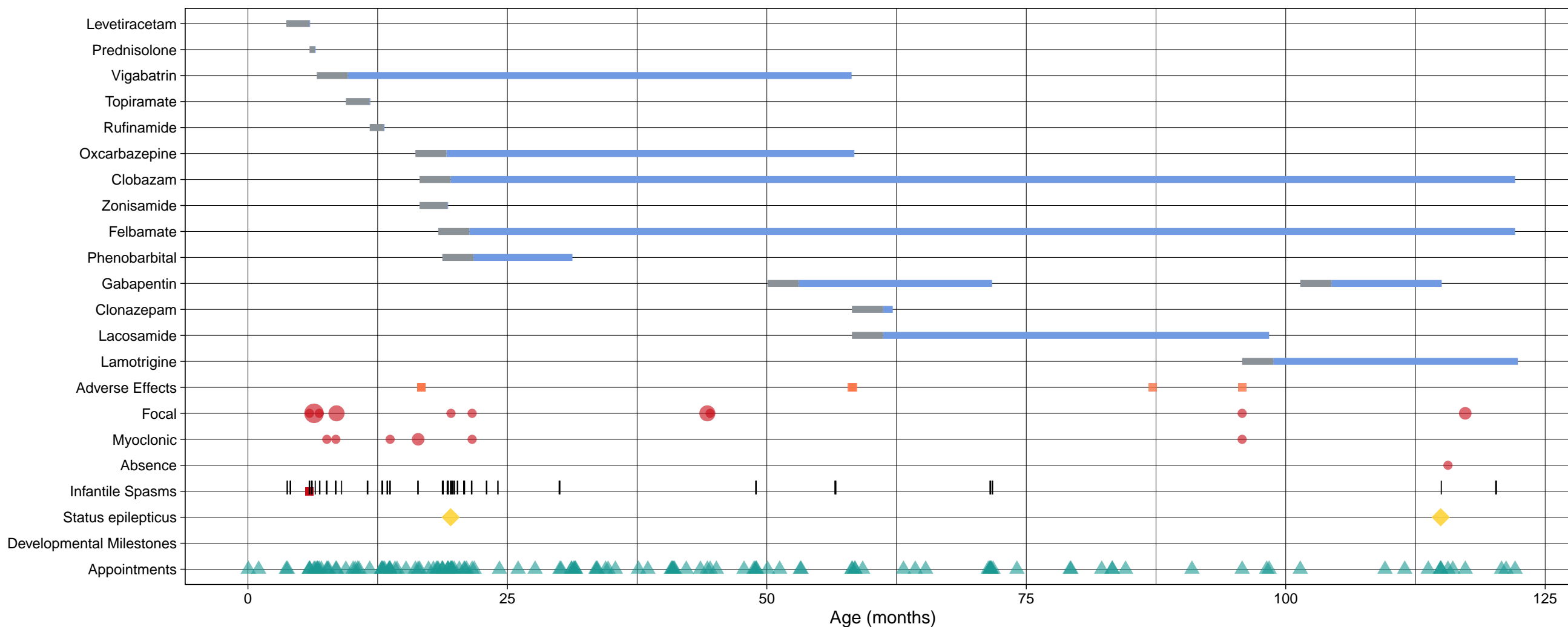
Seizure Index



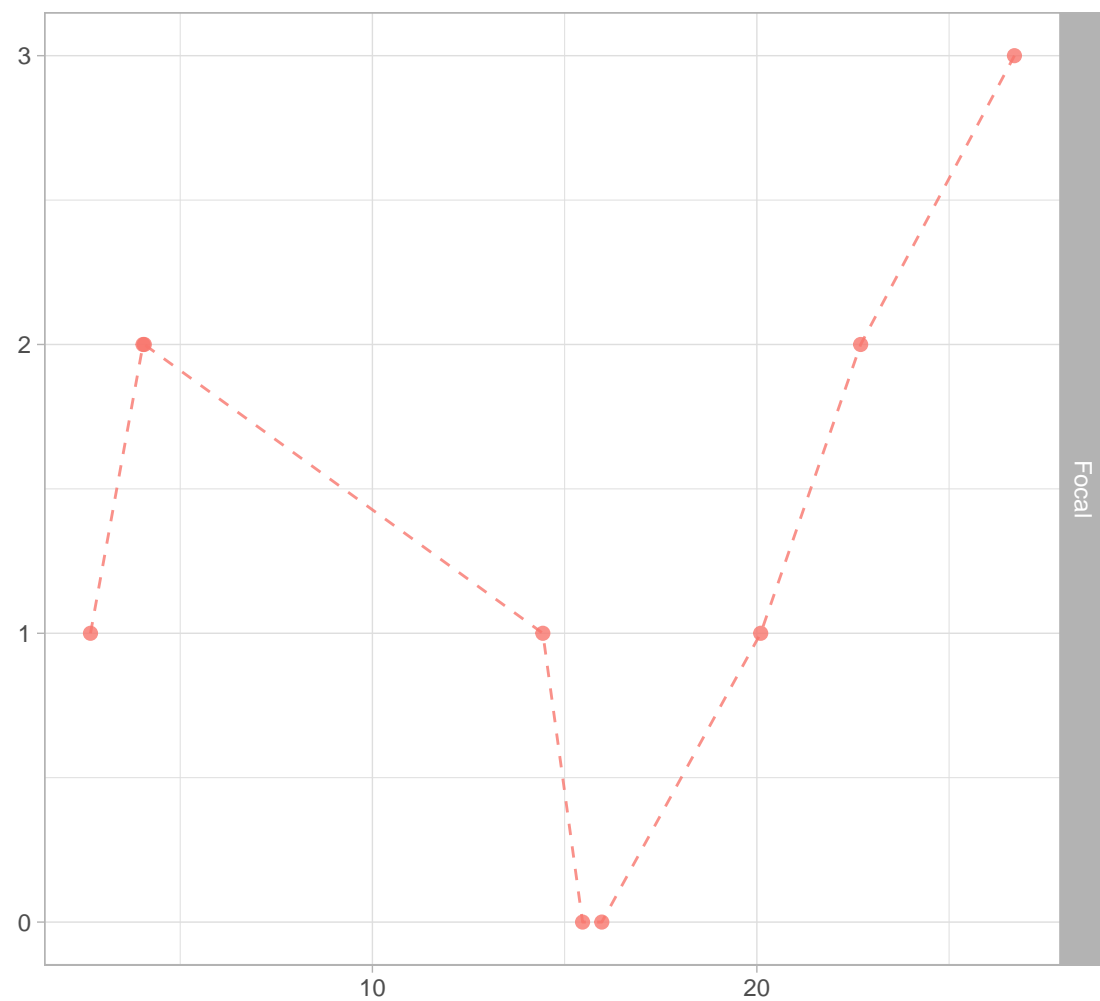
Seizure Index Comparisons



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

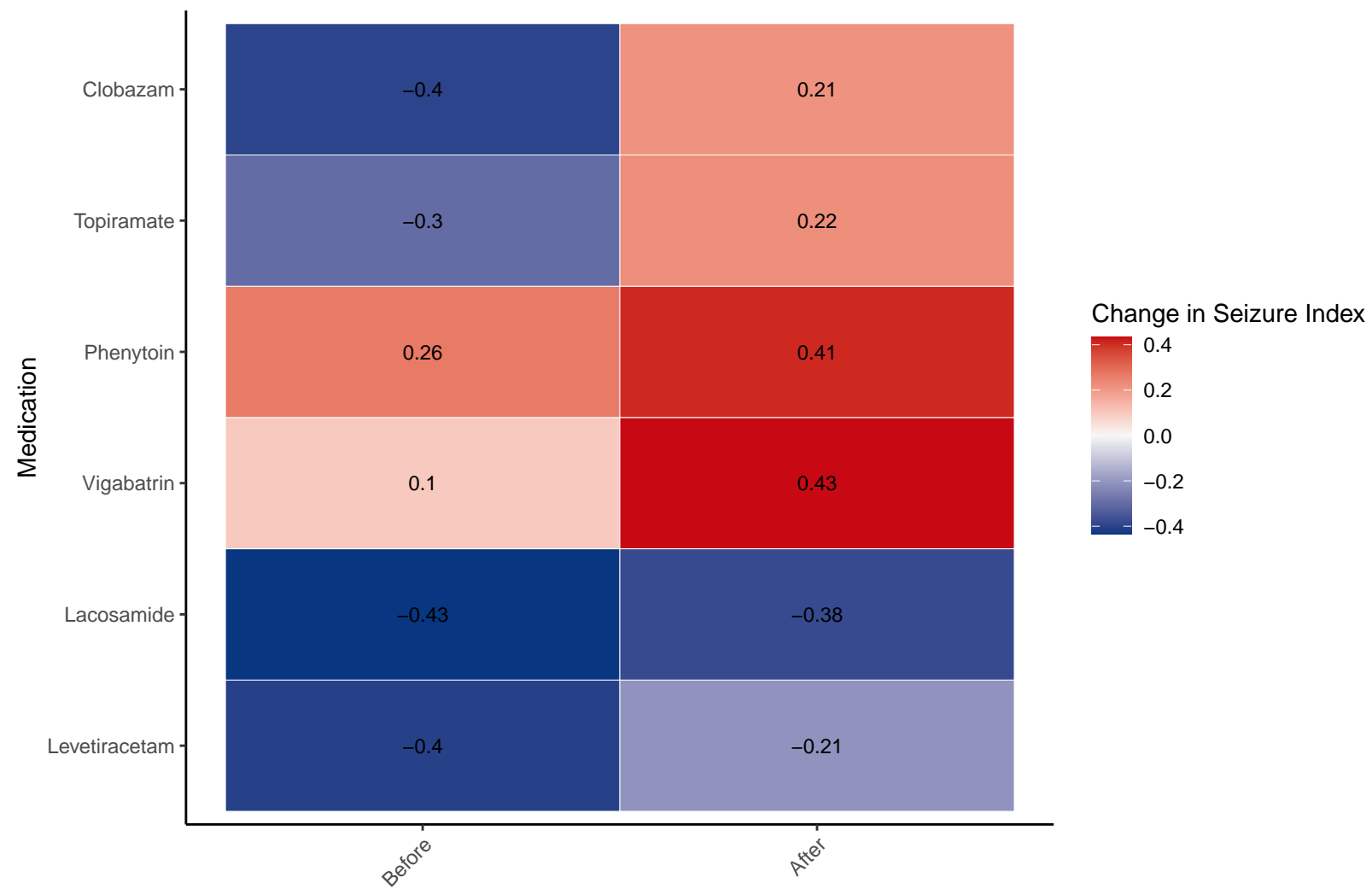


Seizure Index



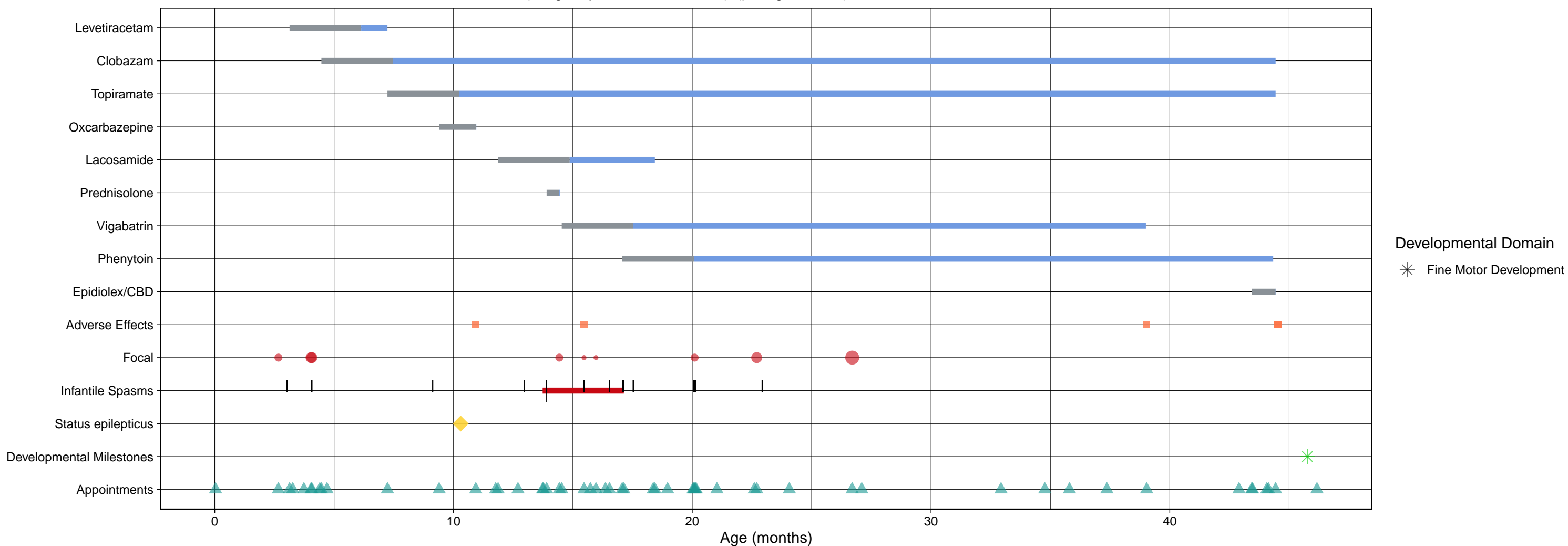
Age (months)

Seizure Index Comparisons

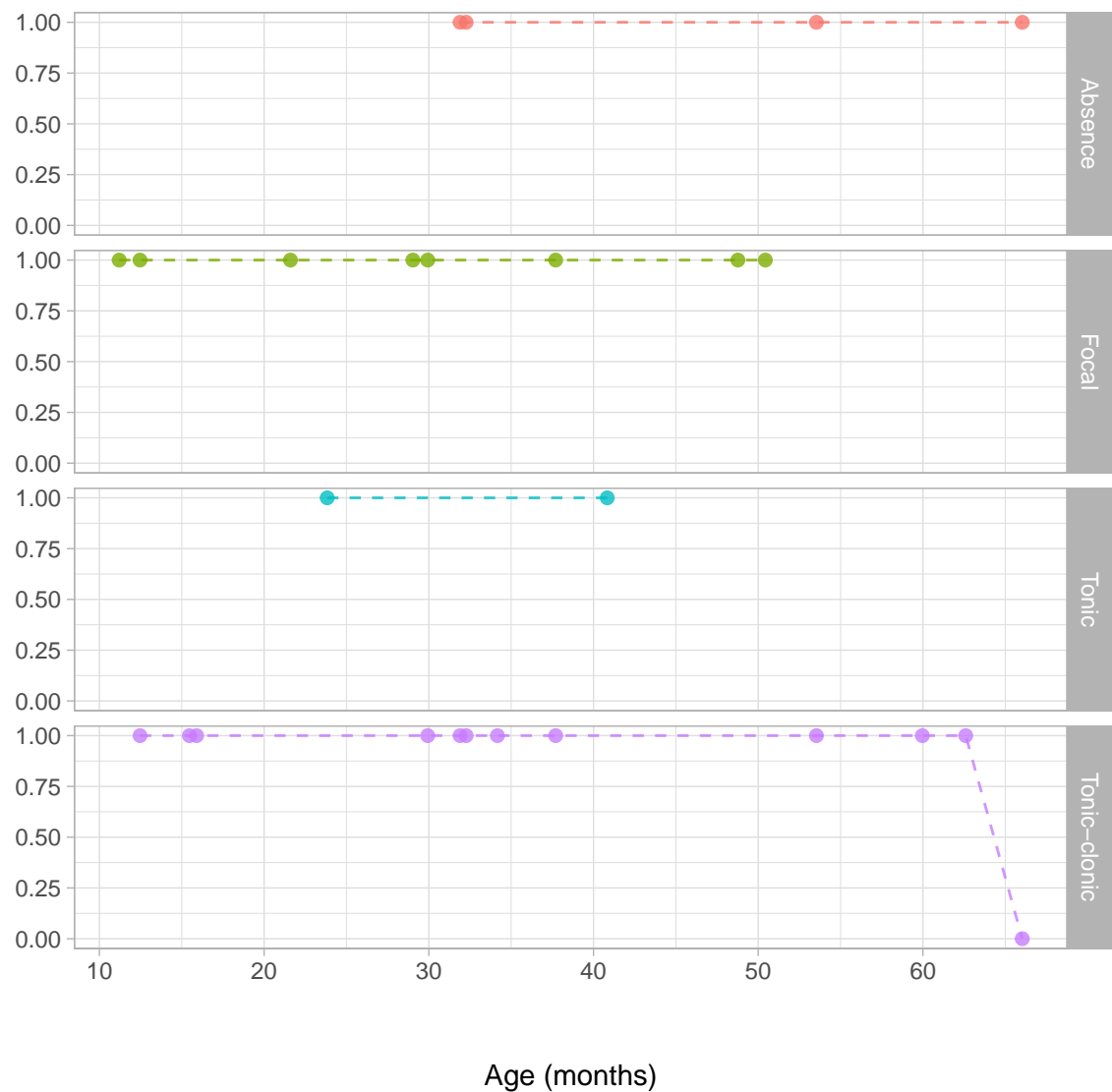


Comparison and Seizure Type

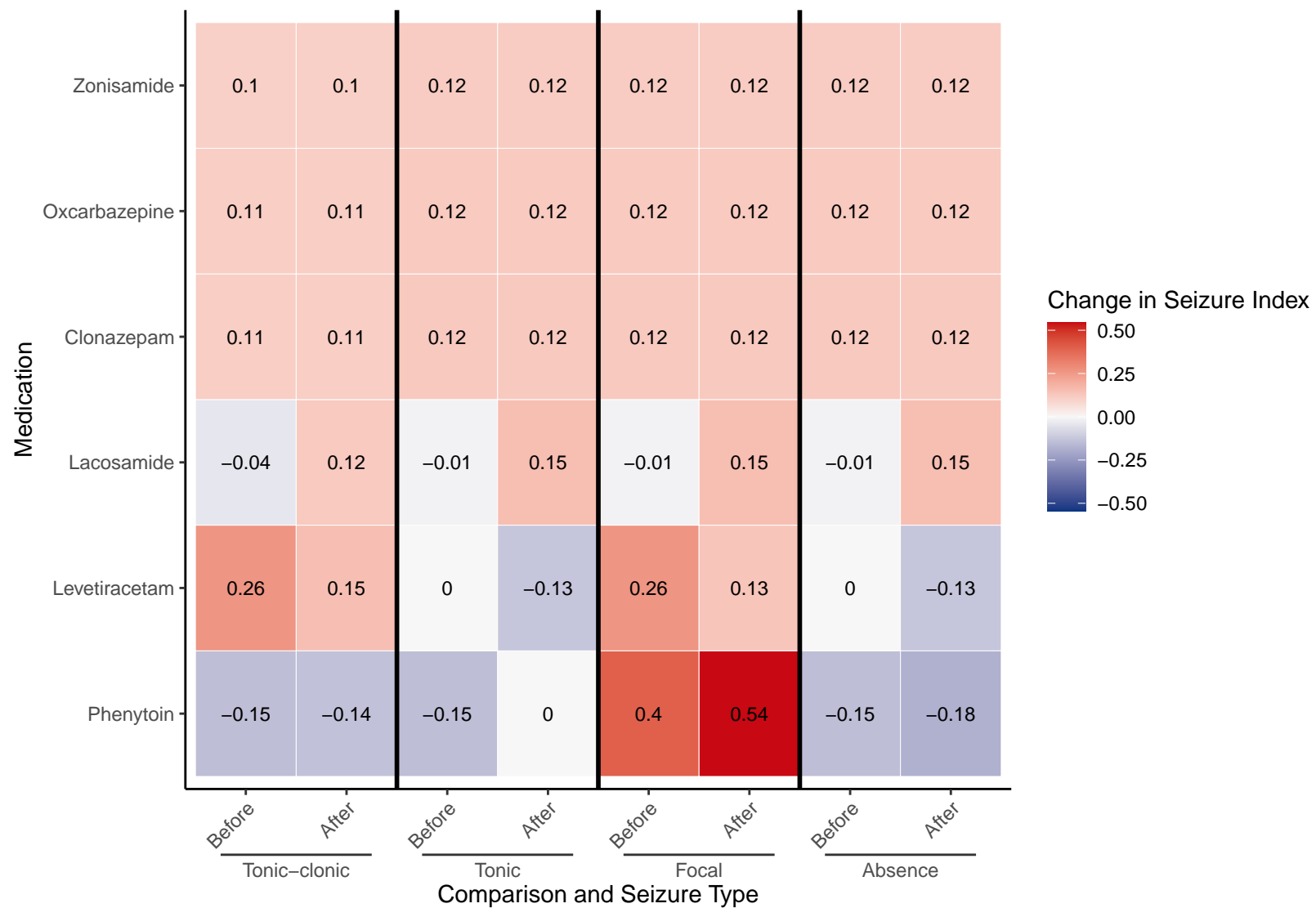
c1046a01-ecb6-4193-b54a-7fde39bae9c4 (Registry #267 and 1442) (p.Arg850Gln) – IF



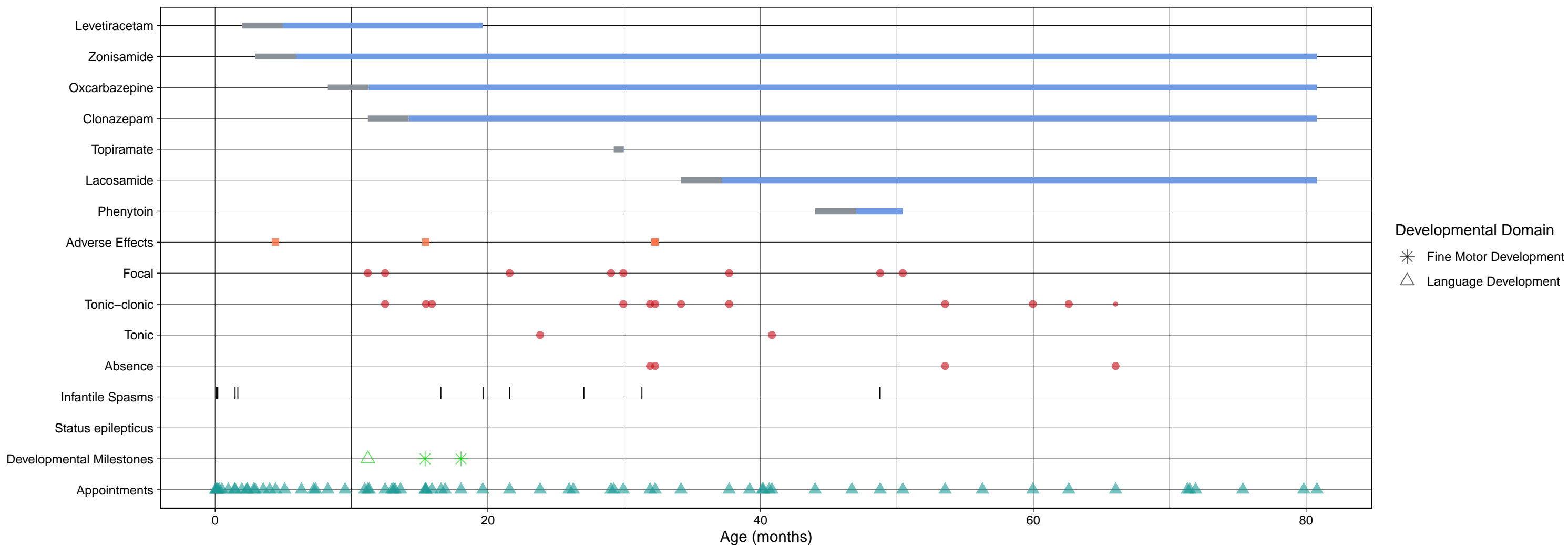
Seizure Index



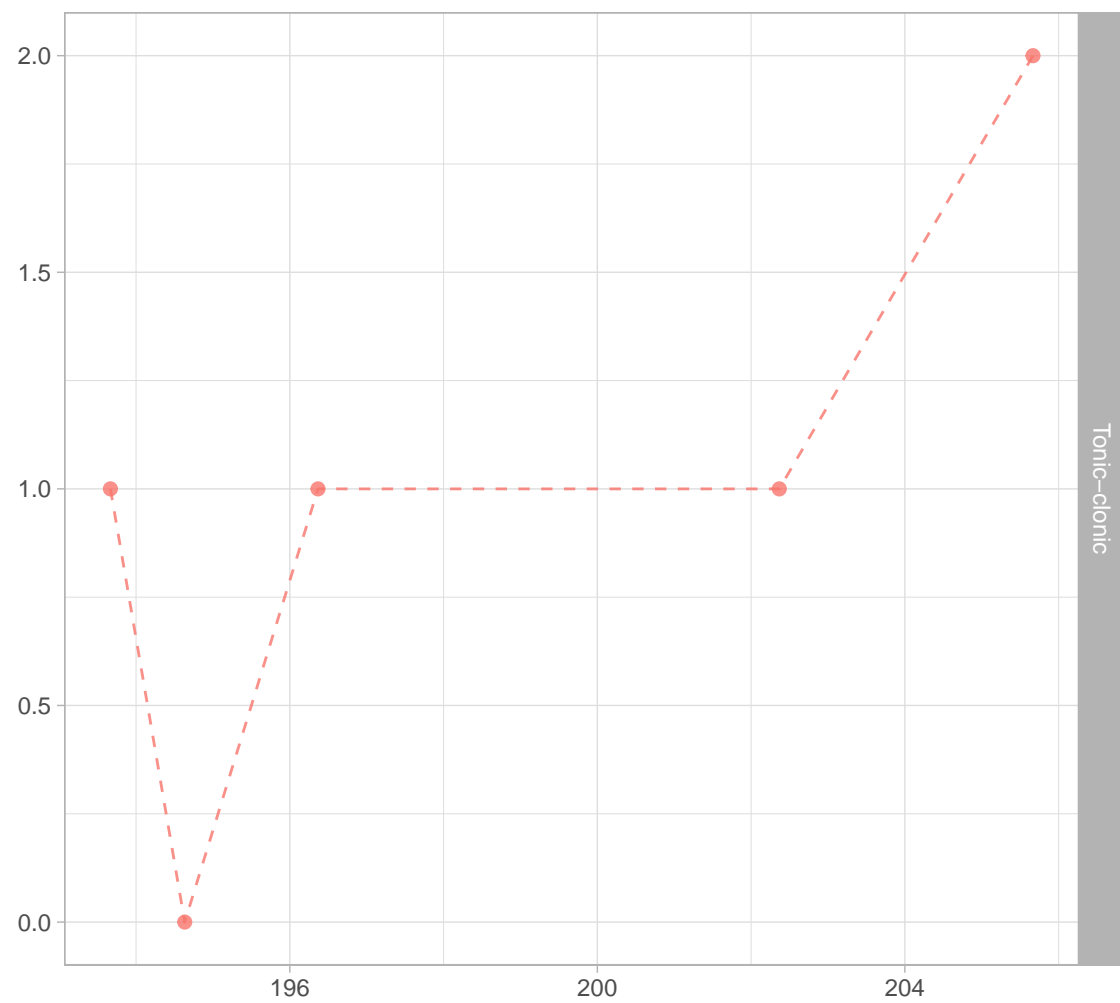
Seizure Index Comparisons



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

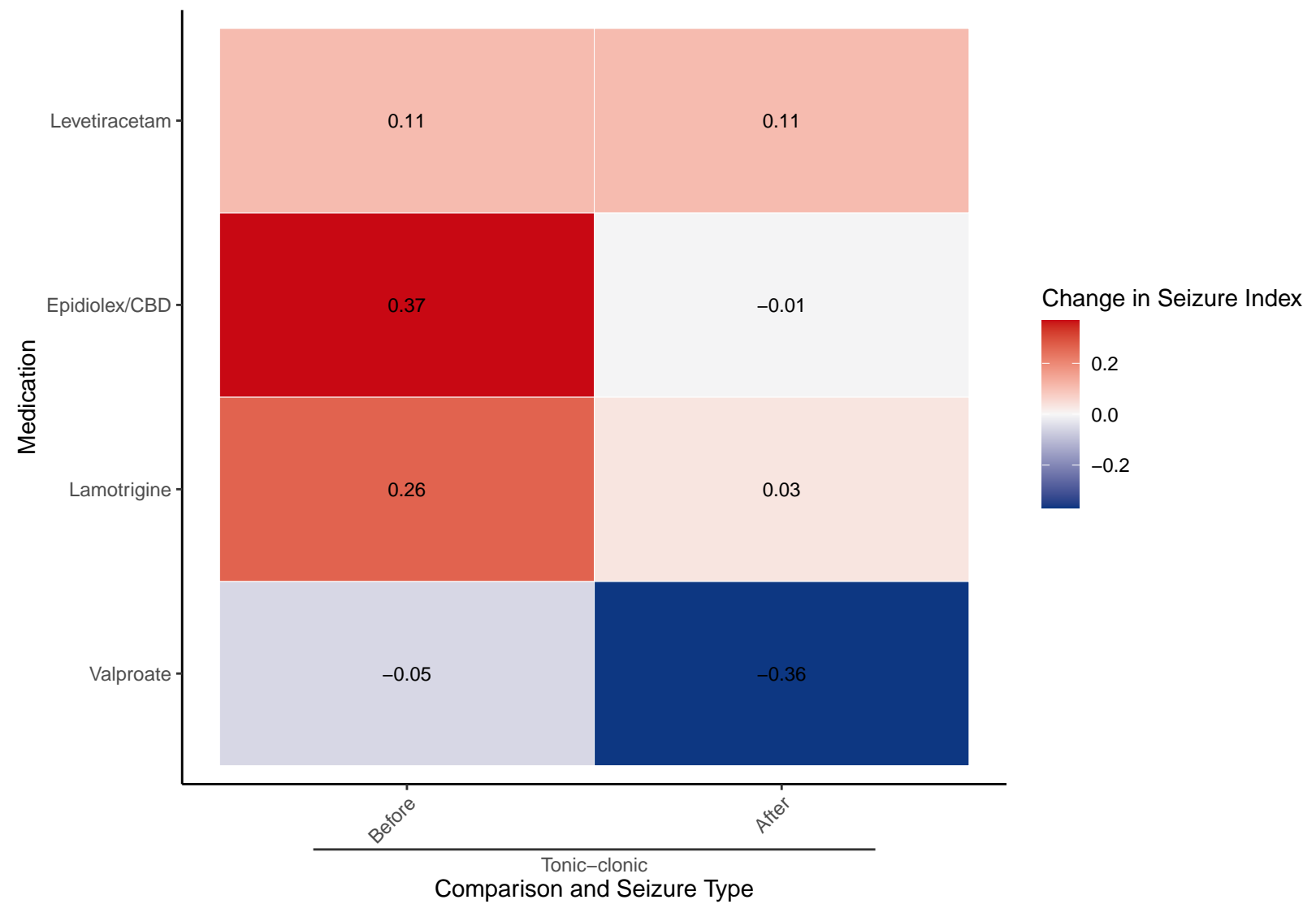


Seizure Index



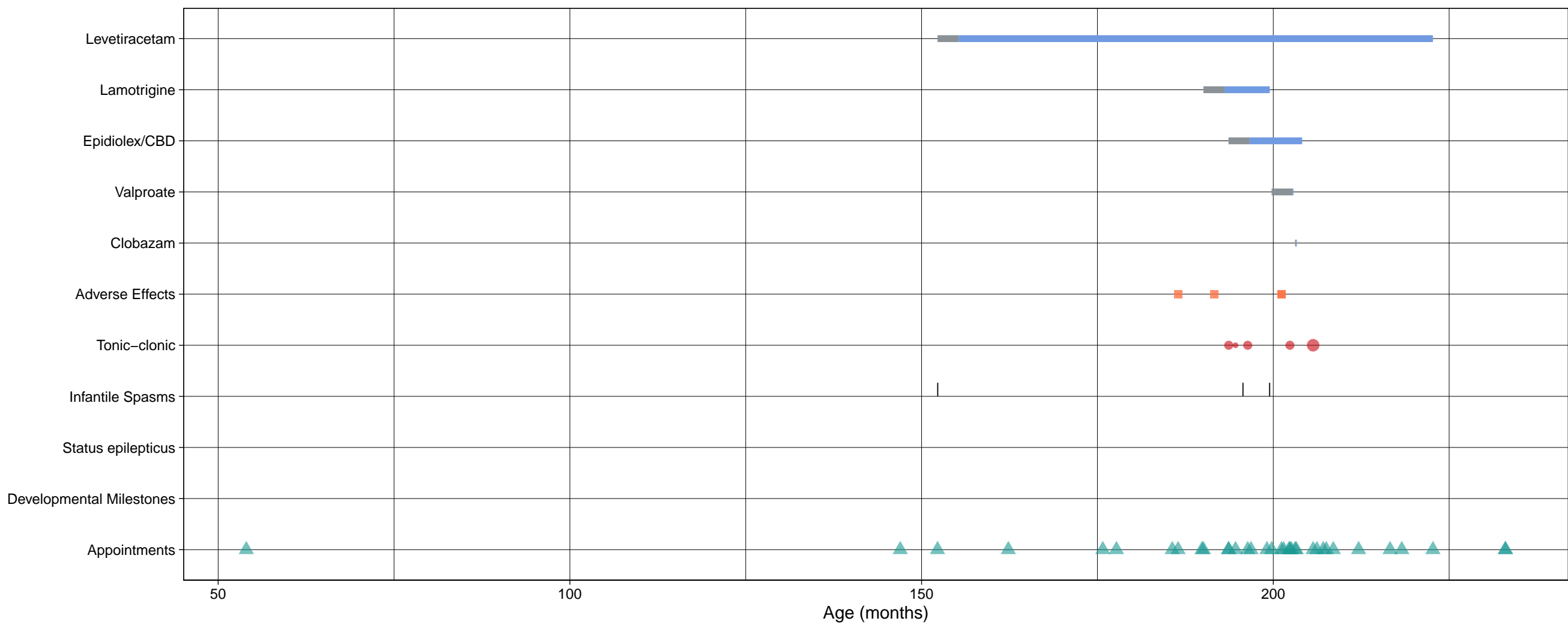
Age (months)

Seizure Index Comparisons

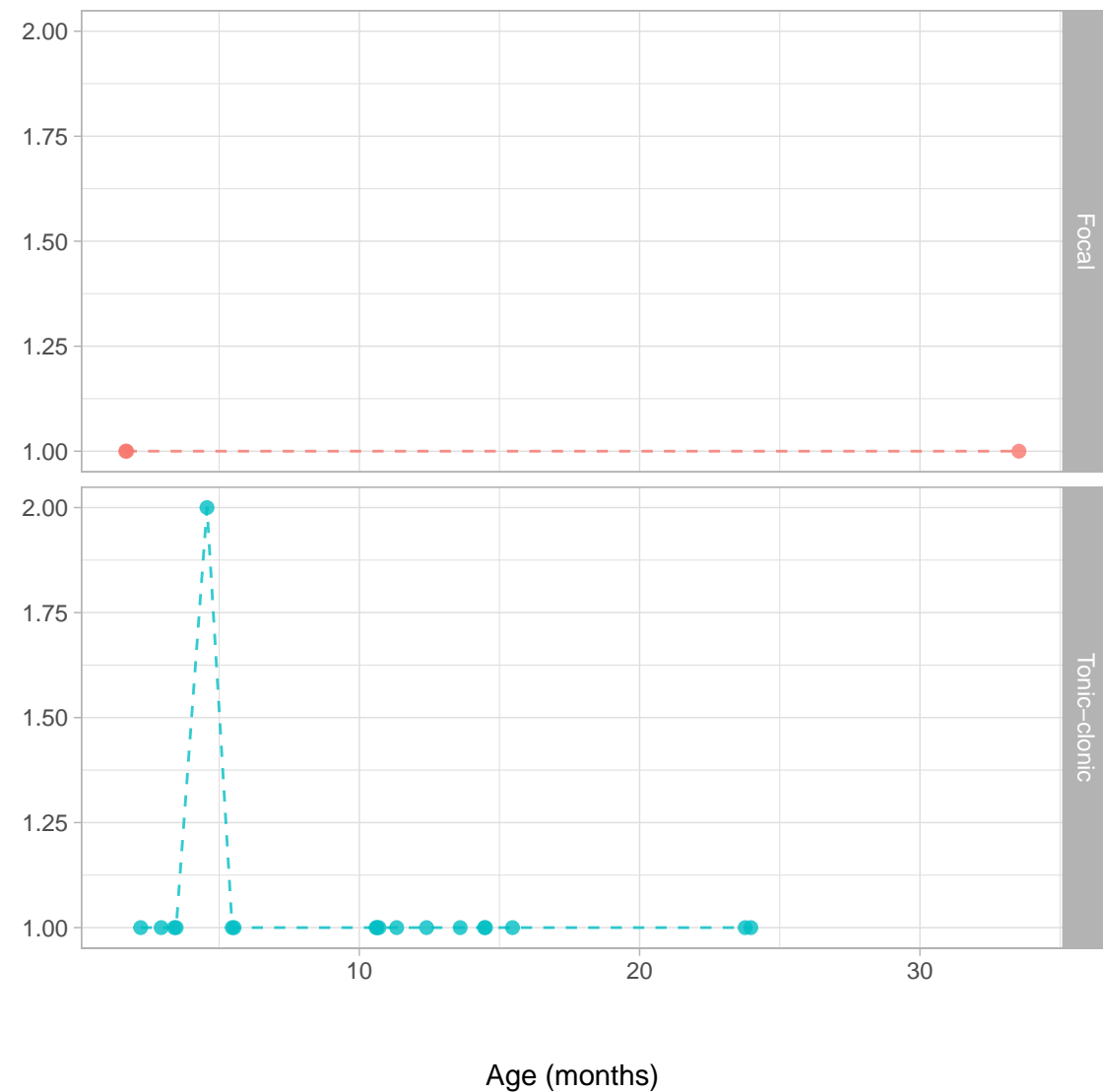


Comparison and Seizure Type

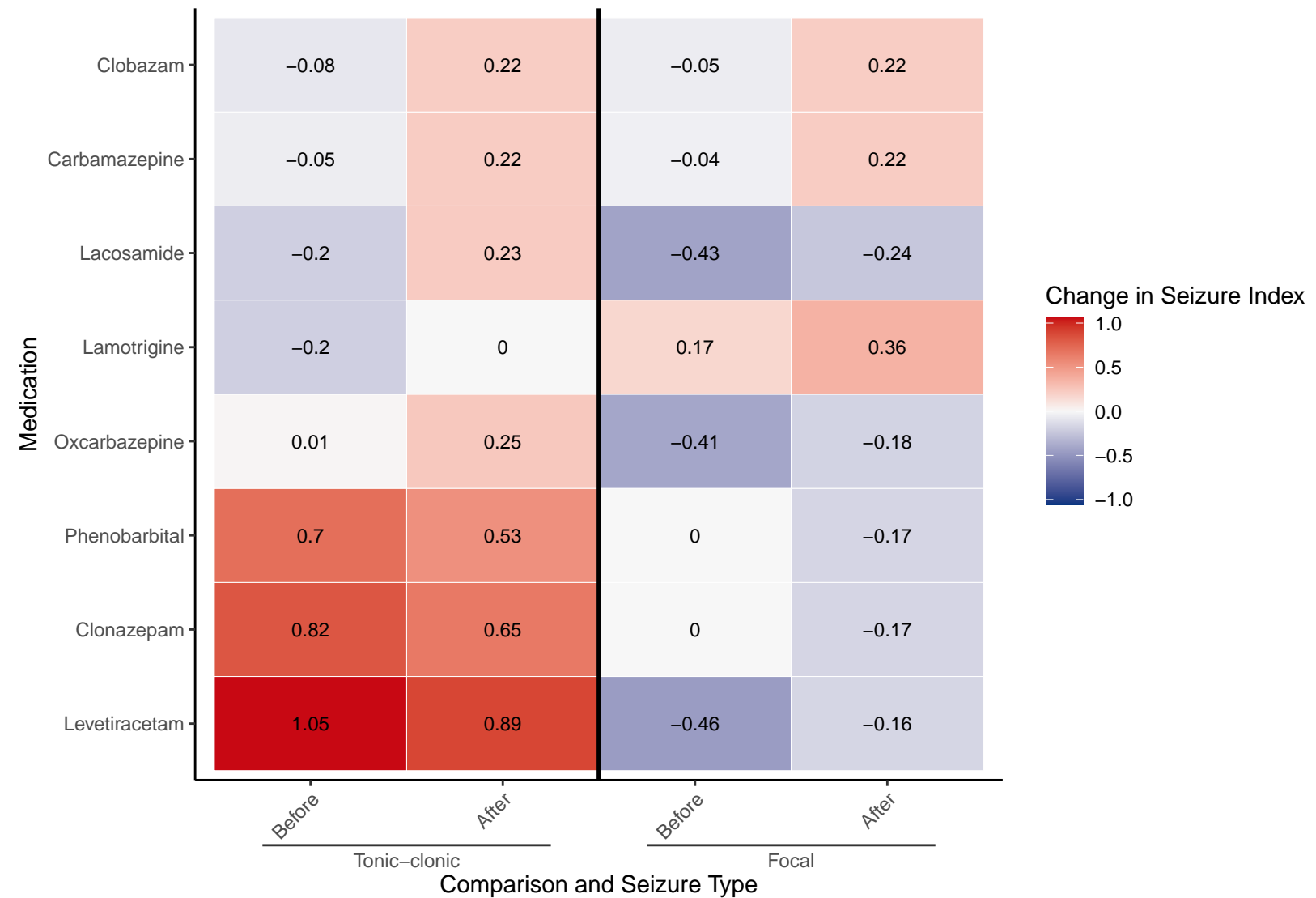
56d3dc1e-63d5-4ad6-9493-57de0fd7ef0e (Registry #43) (p.Arg1305Thr)



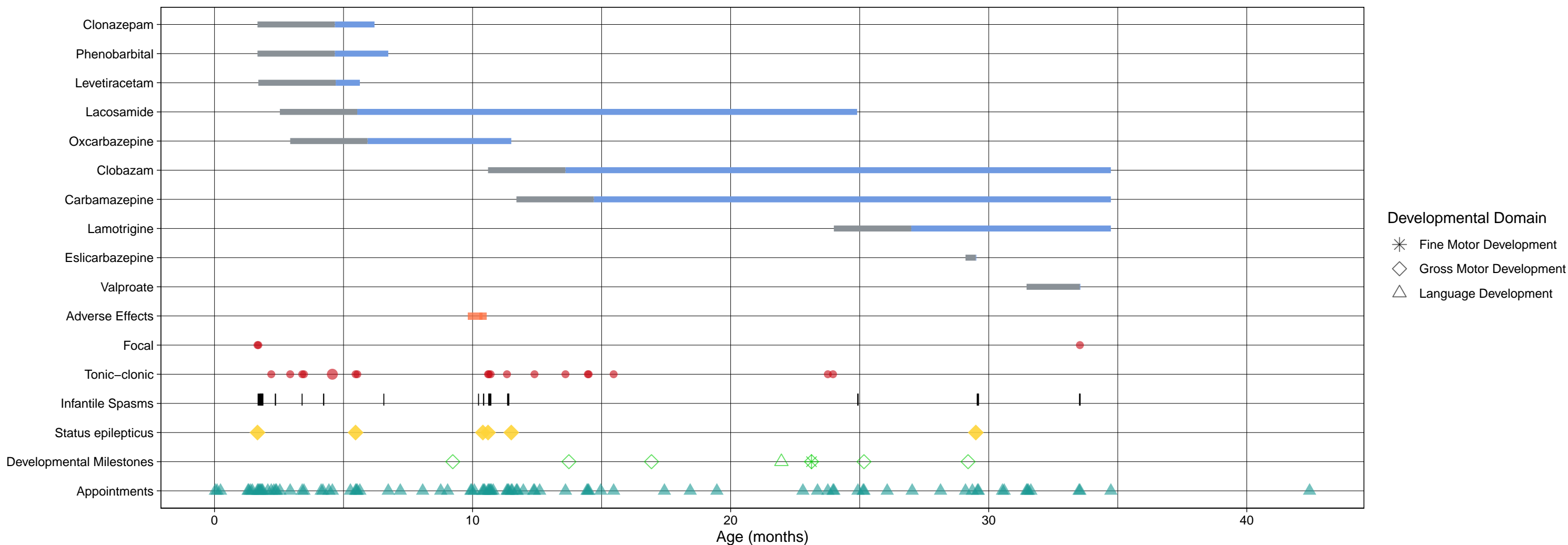
Seizure Index



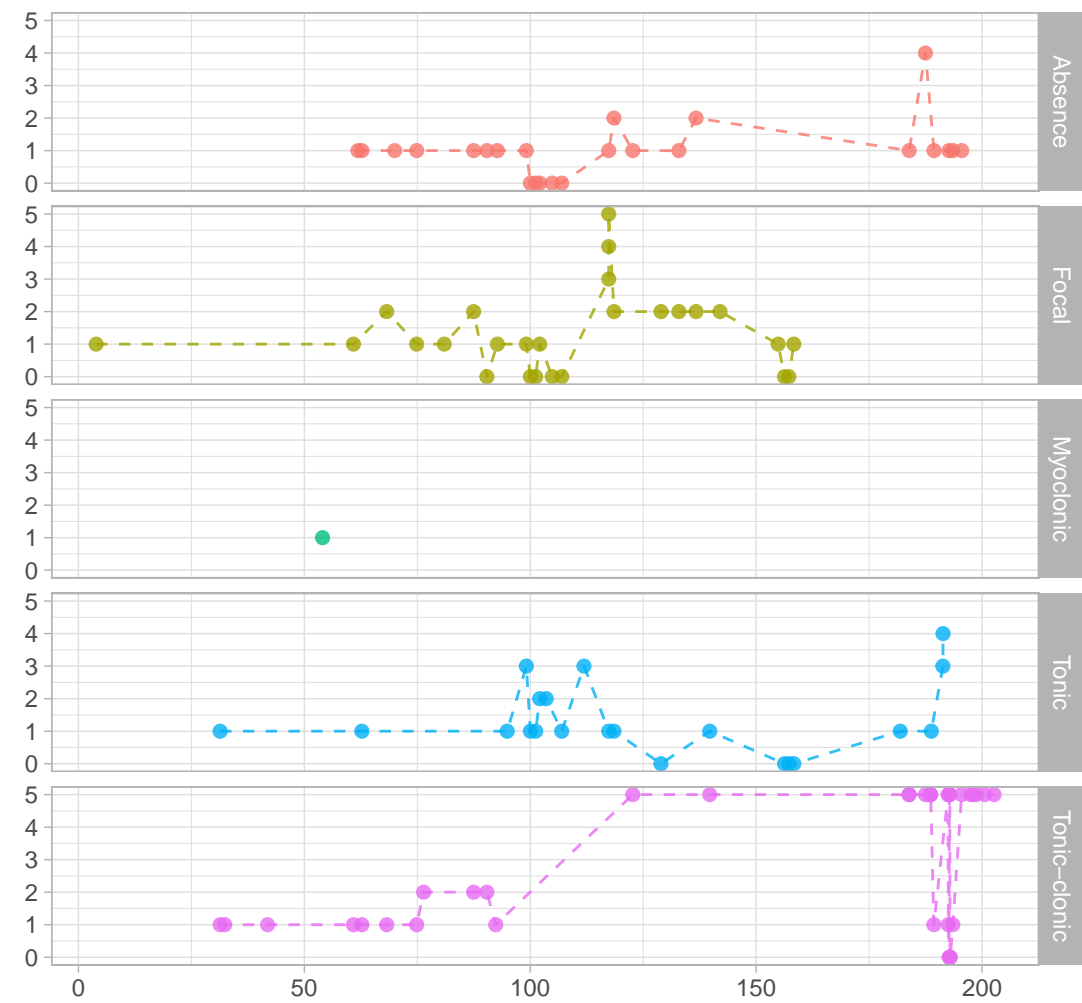
Seizure Index Comparisons



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



Seizure Index

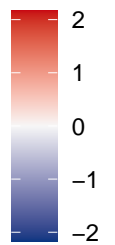


Age (months)

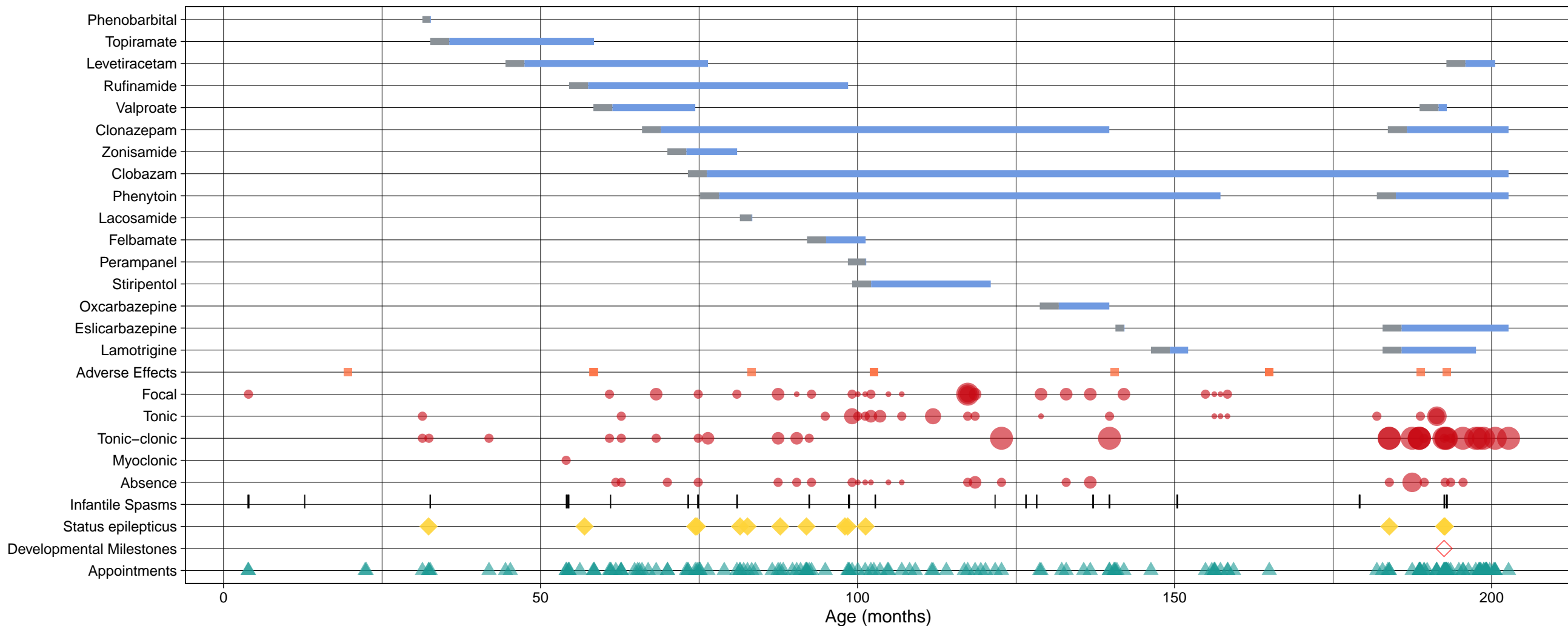
Seizure Index Comparisons

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

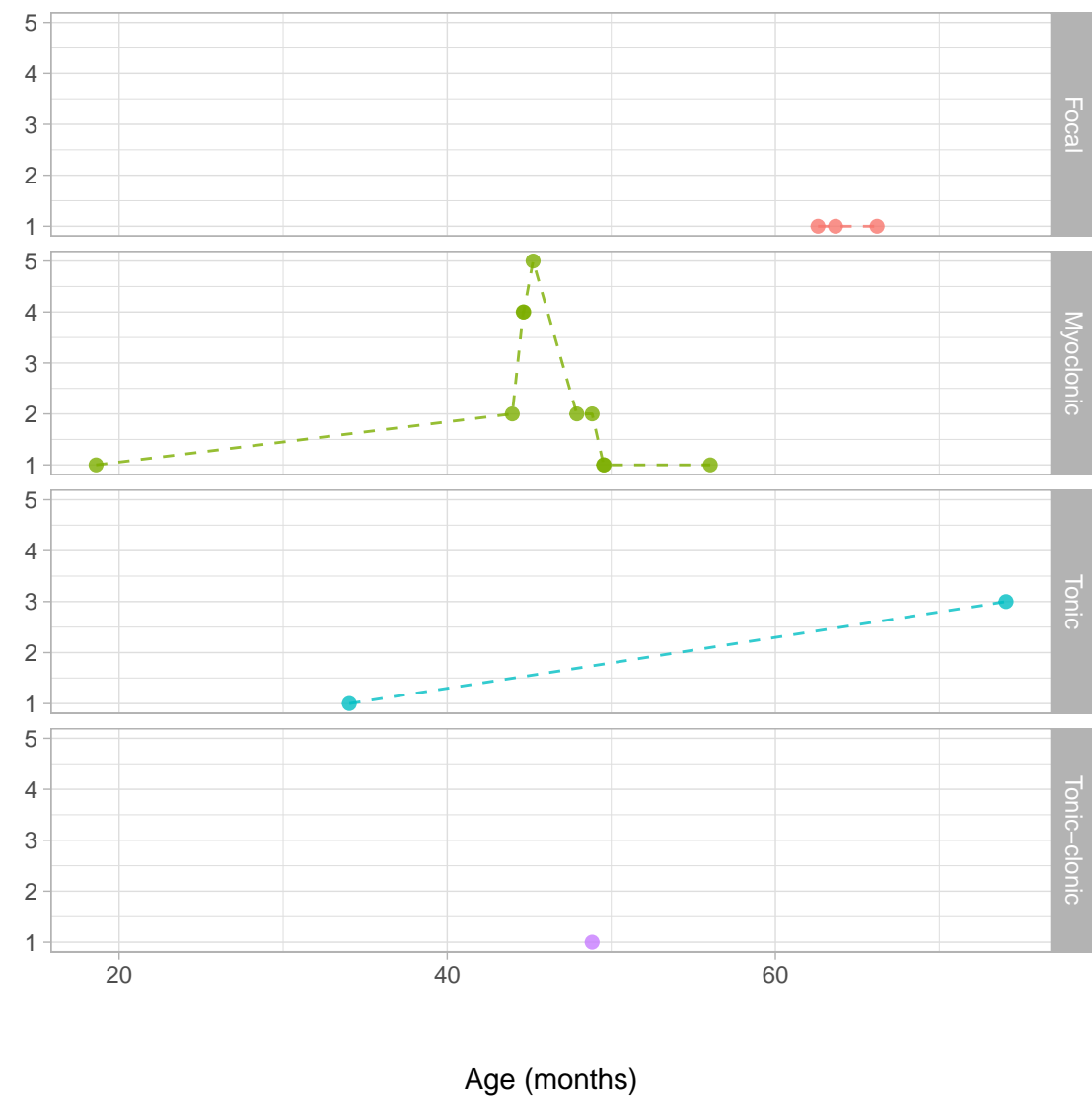
Change in Seizure Index



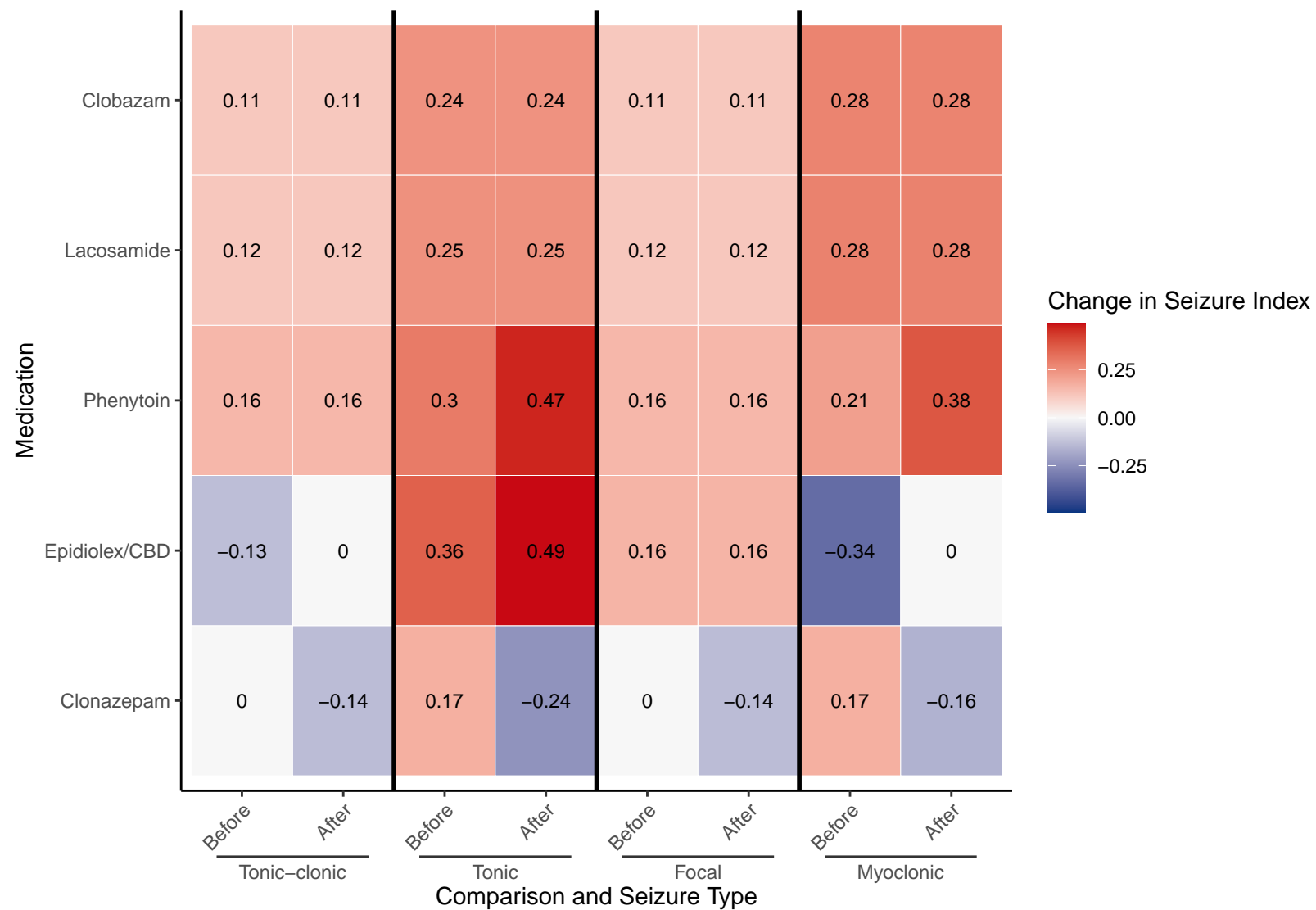
63a0fc61-63b8-4c09-9f42-a2580f9f59c4 (Registry #563) (p.Leu1320Phe)



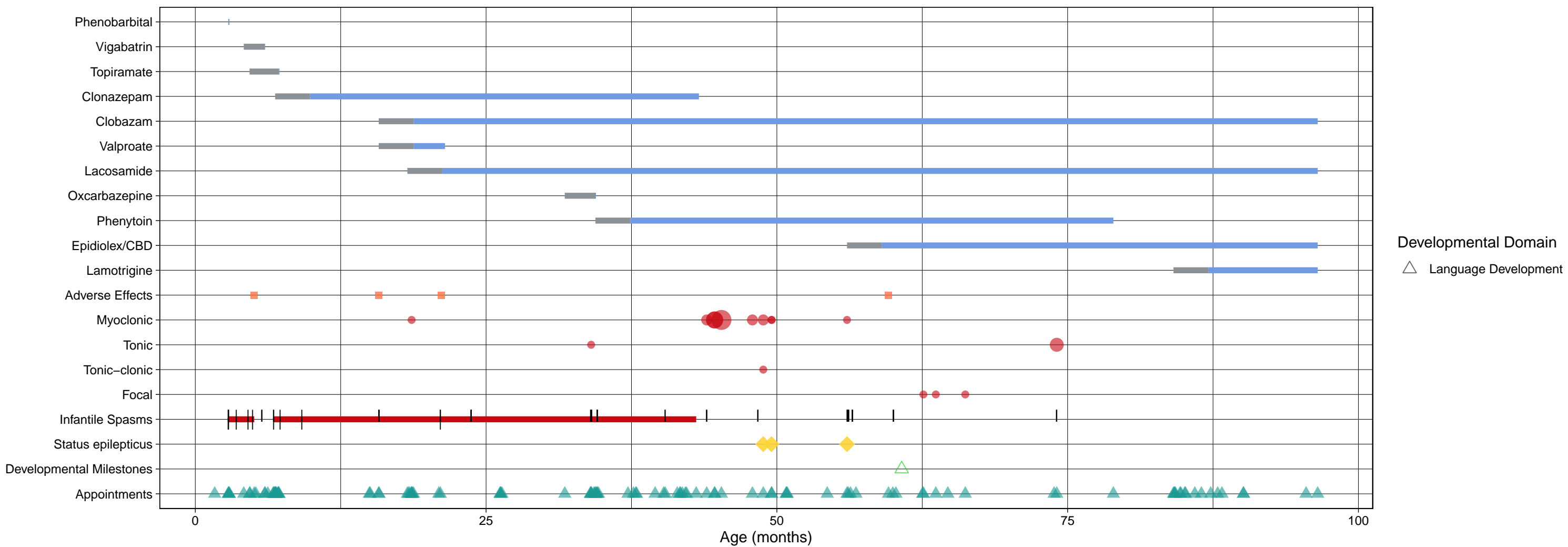
Seizure Index

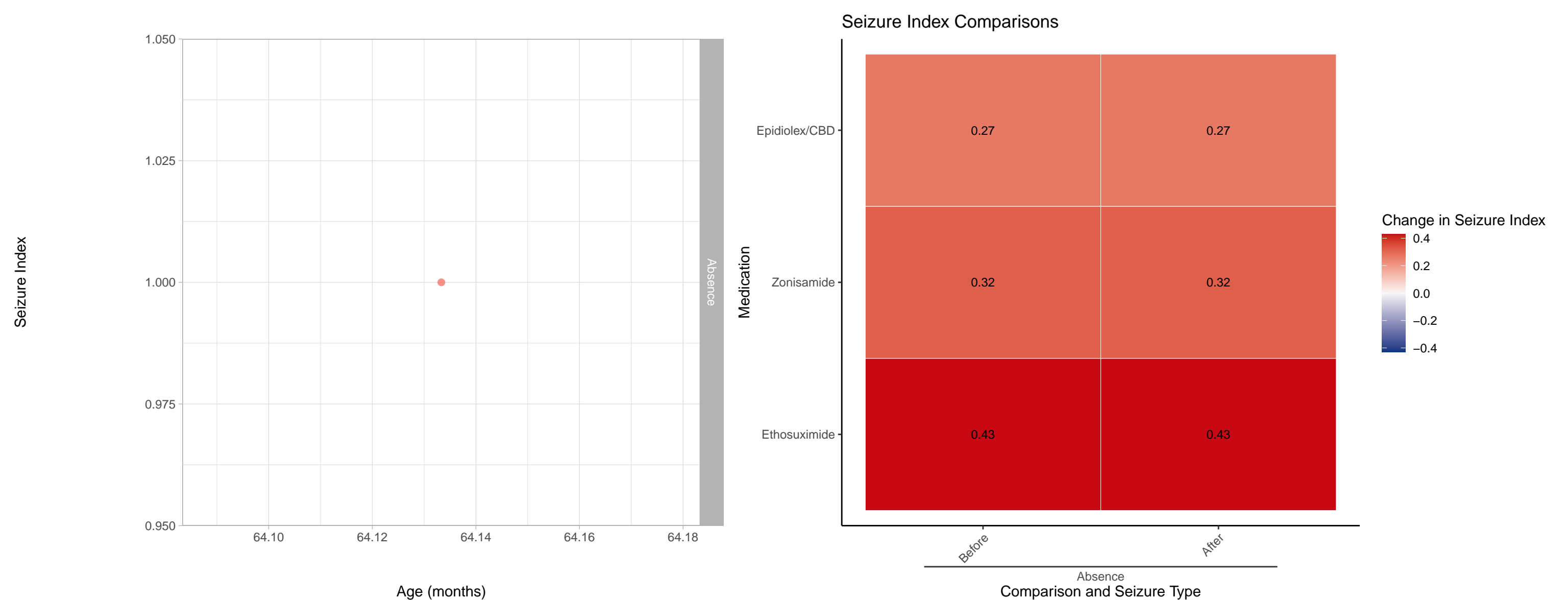


Seizure Index Comparisons

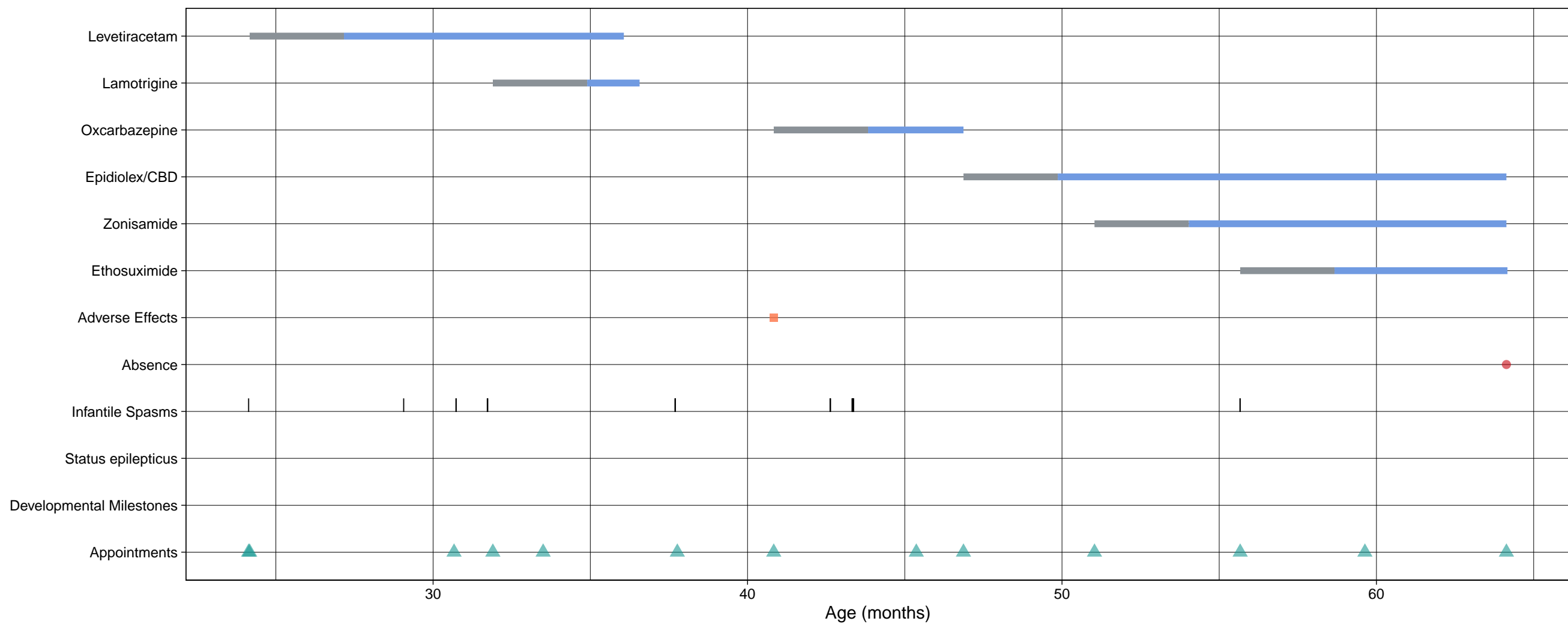


8d912349-aca0-4a74-98a7-c574d56bfc7d (Registry #152) (p.Leu1332Arg) - IF

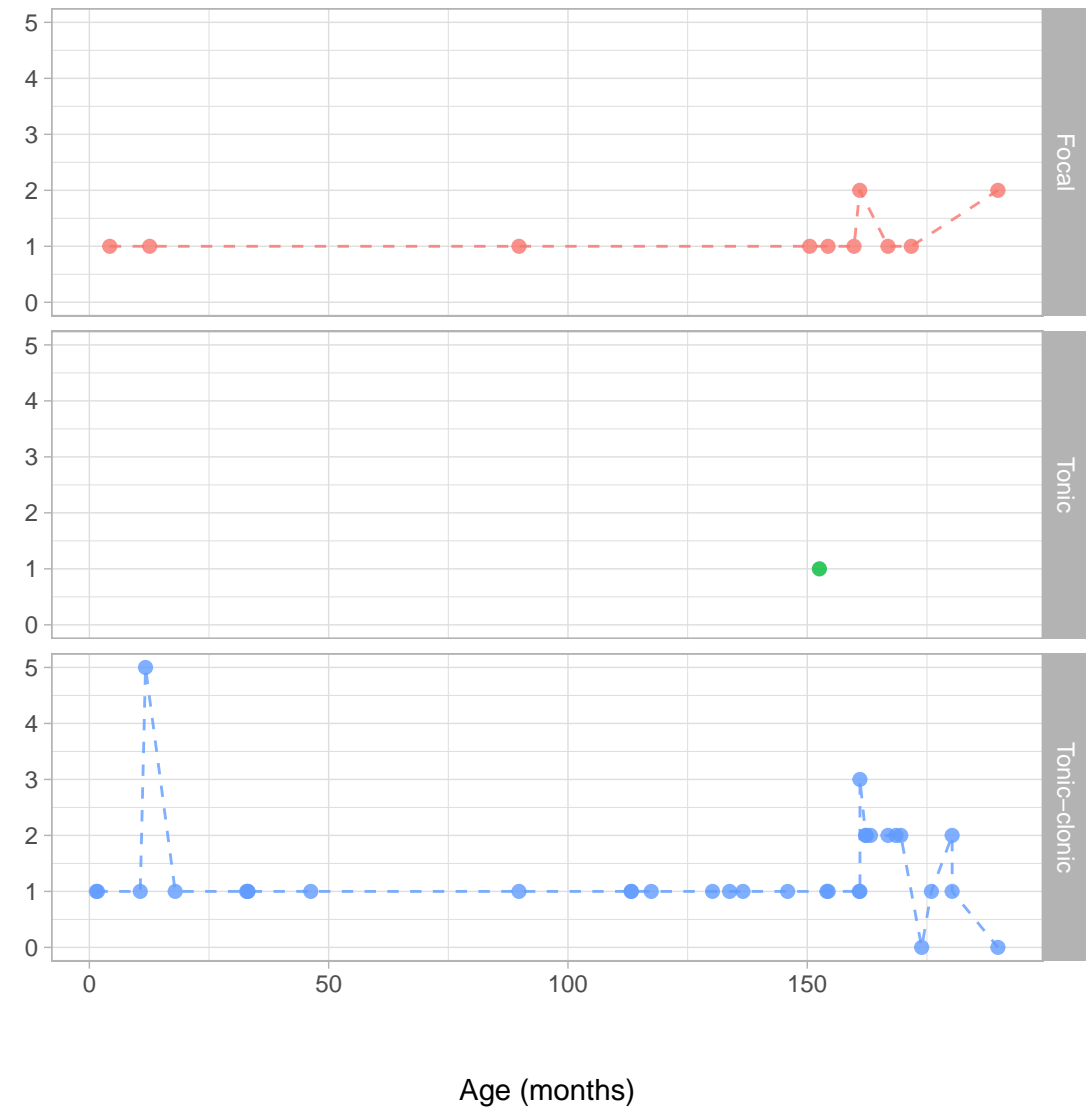




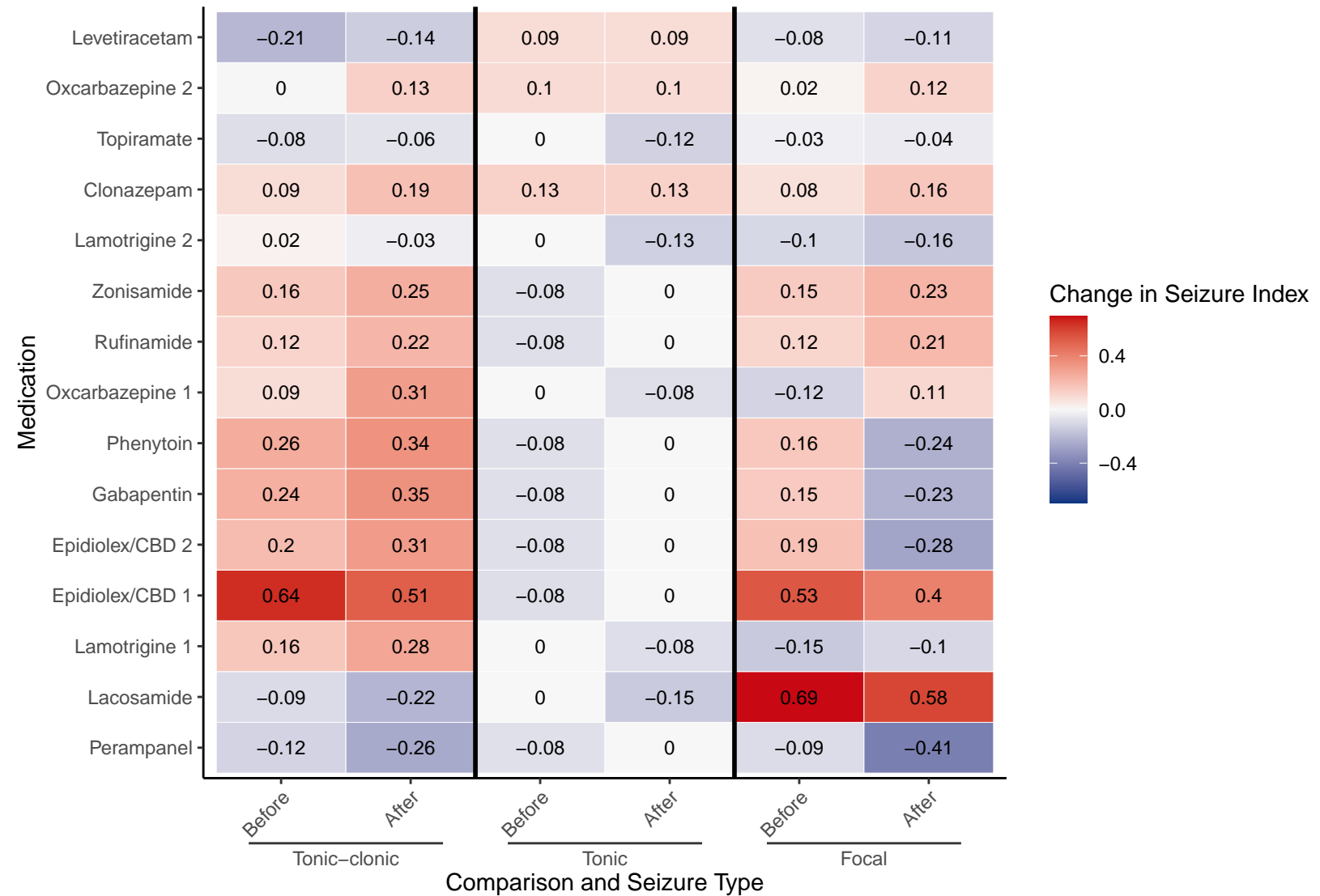
9527087a-40c6-48e4-993c-e3f12f746ee2 (Registry #100) (p.Asp1465Asn)



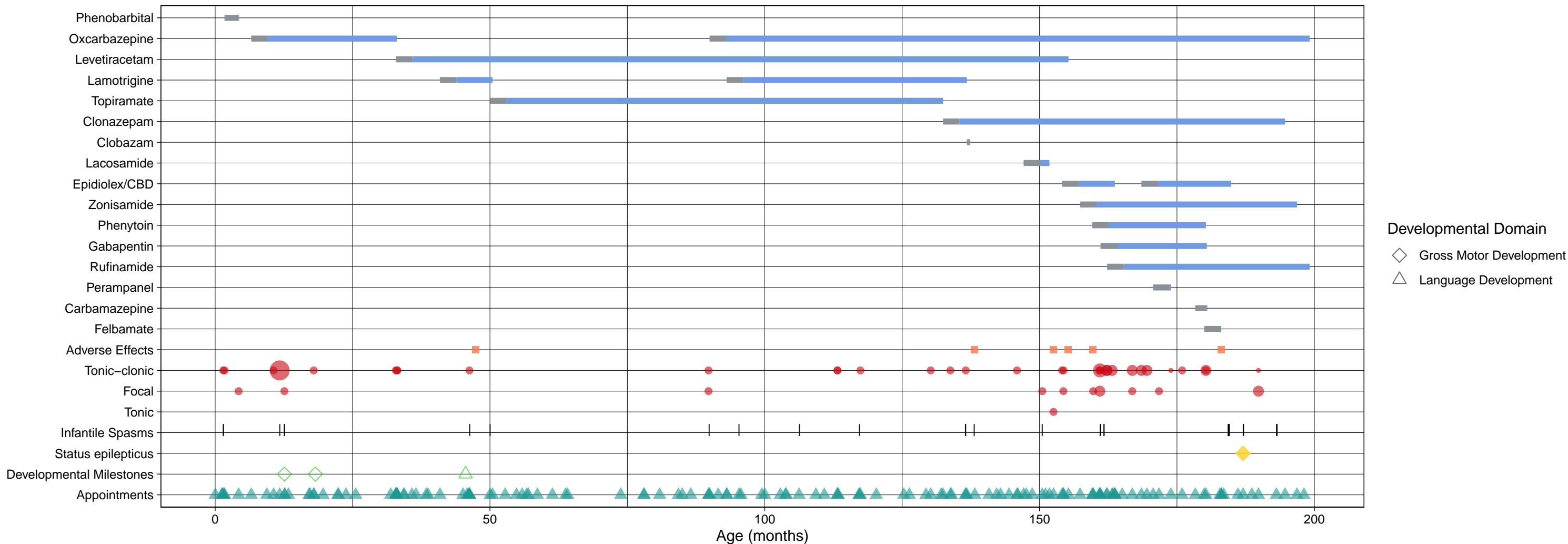
Seizure Index



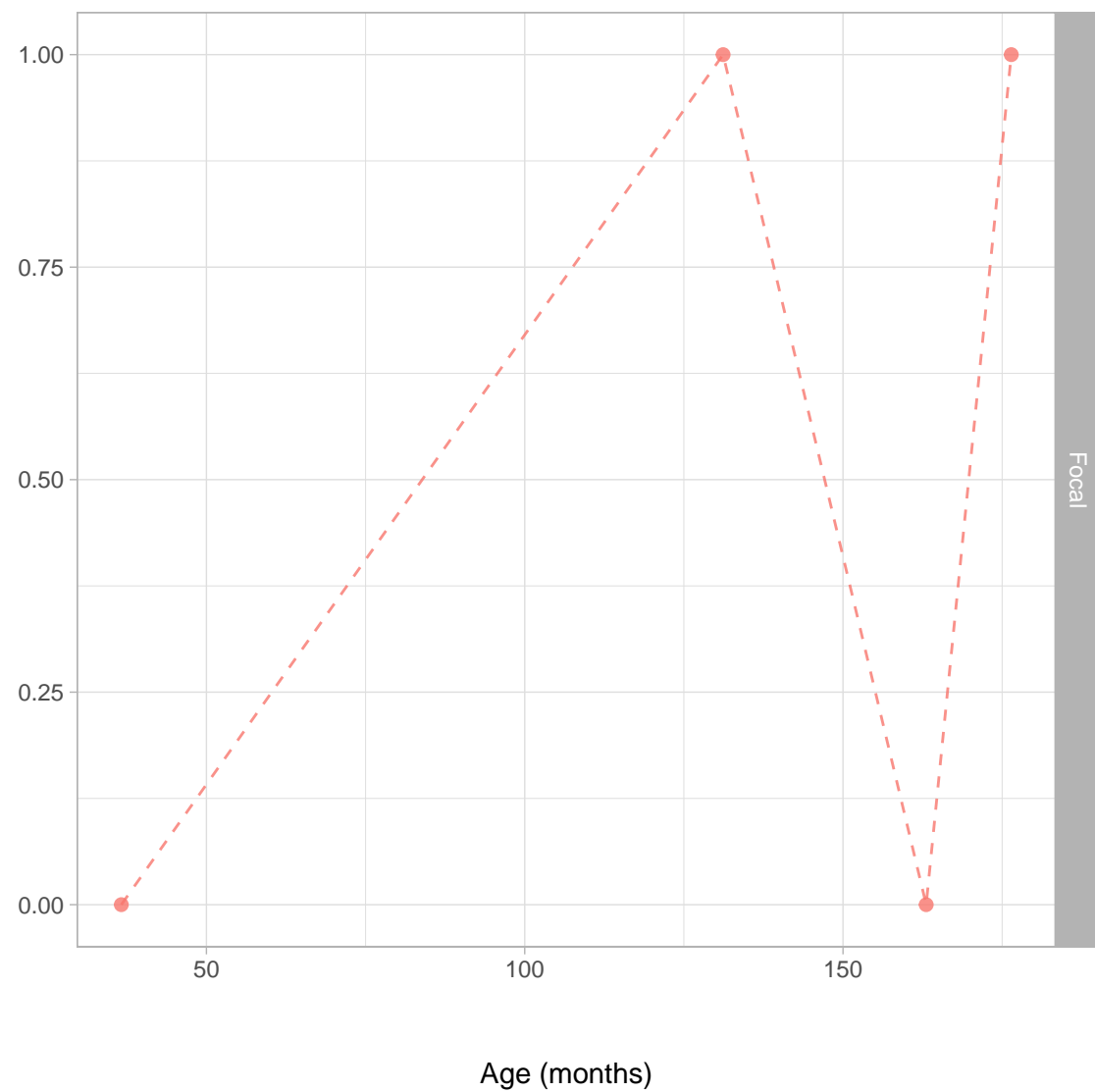
Seizure Index Comparisons



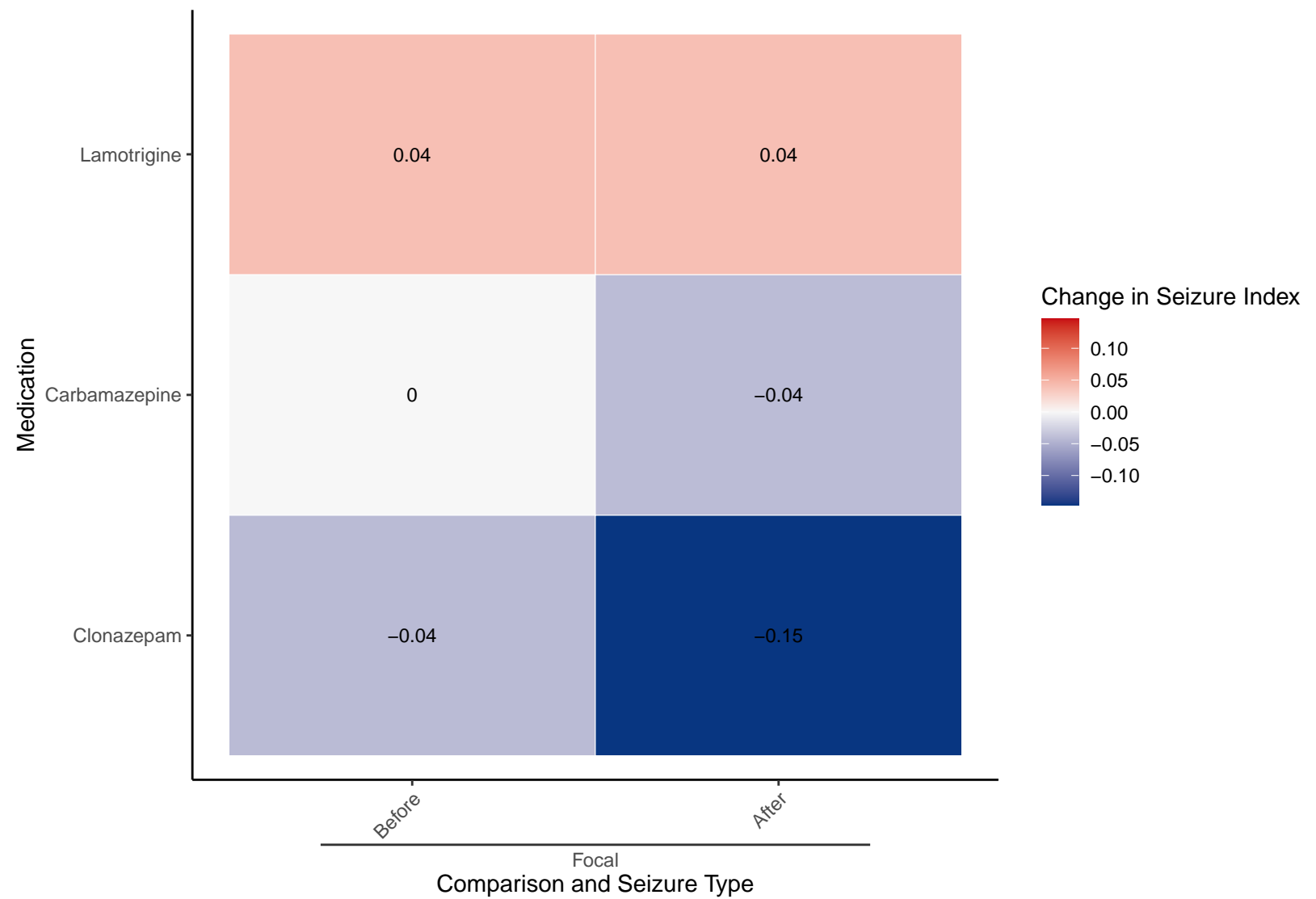
bf66f57a-d02d-4101-a533-ec8d6b8acebf (Registry #38) (p.Gly1475Arg)



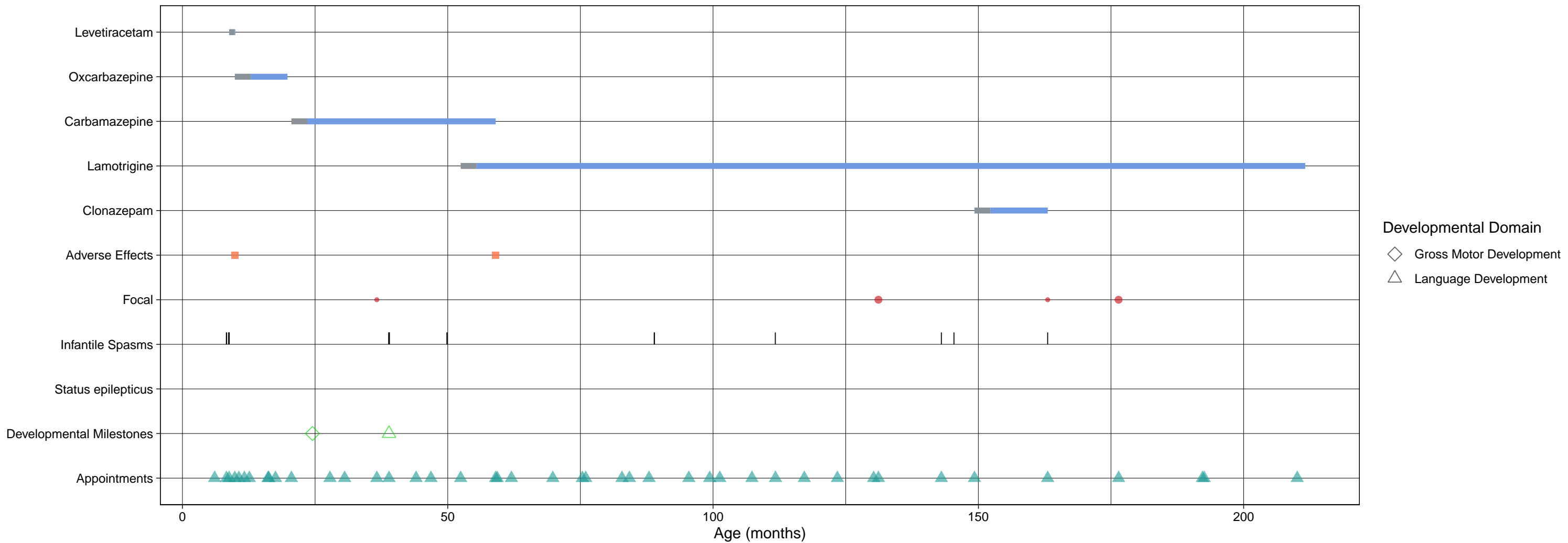
Seizure Index



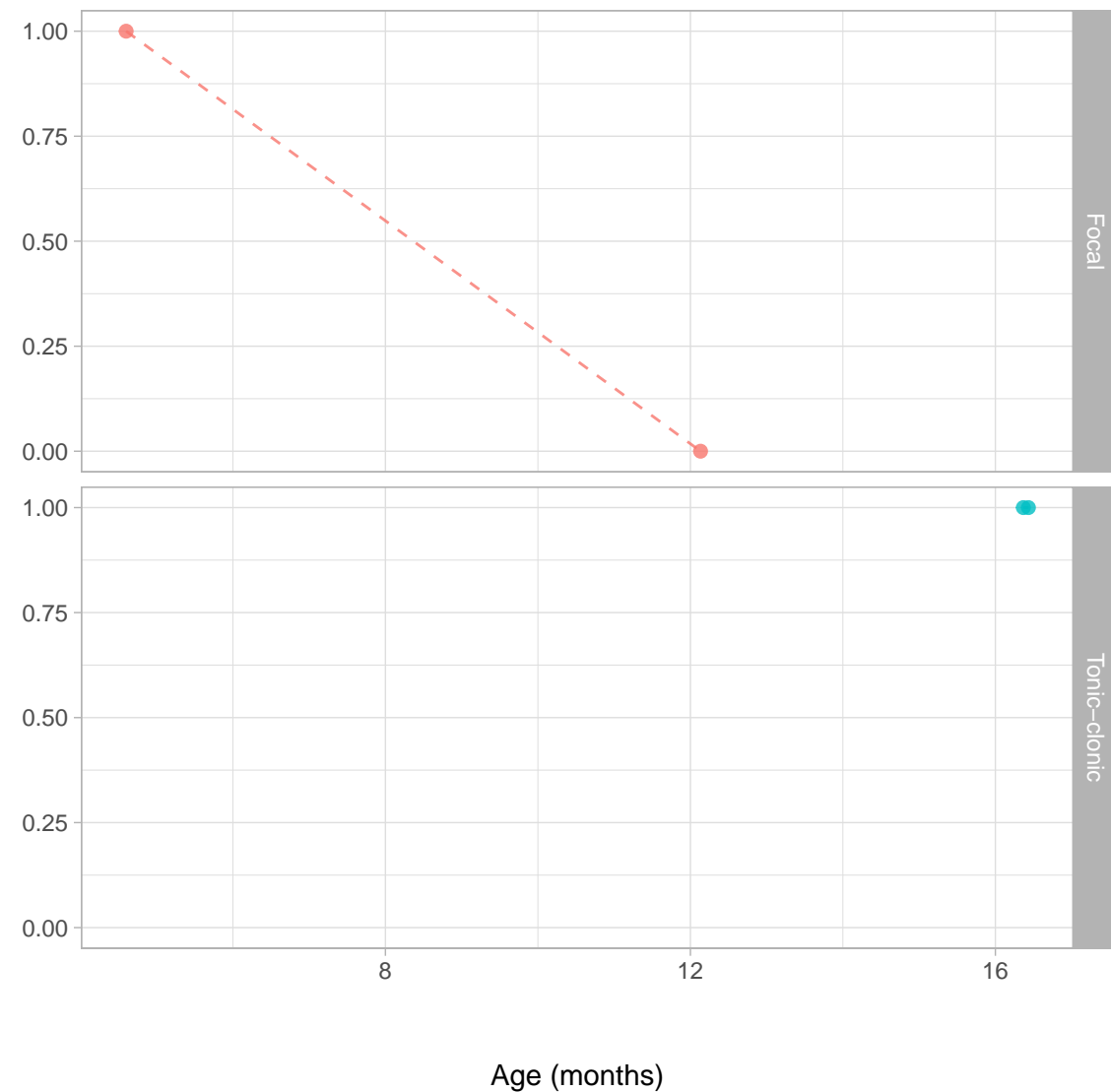
Seizure Index Comparisons



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



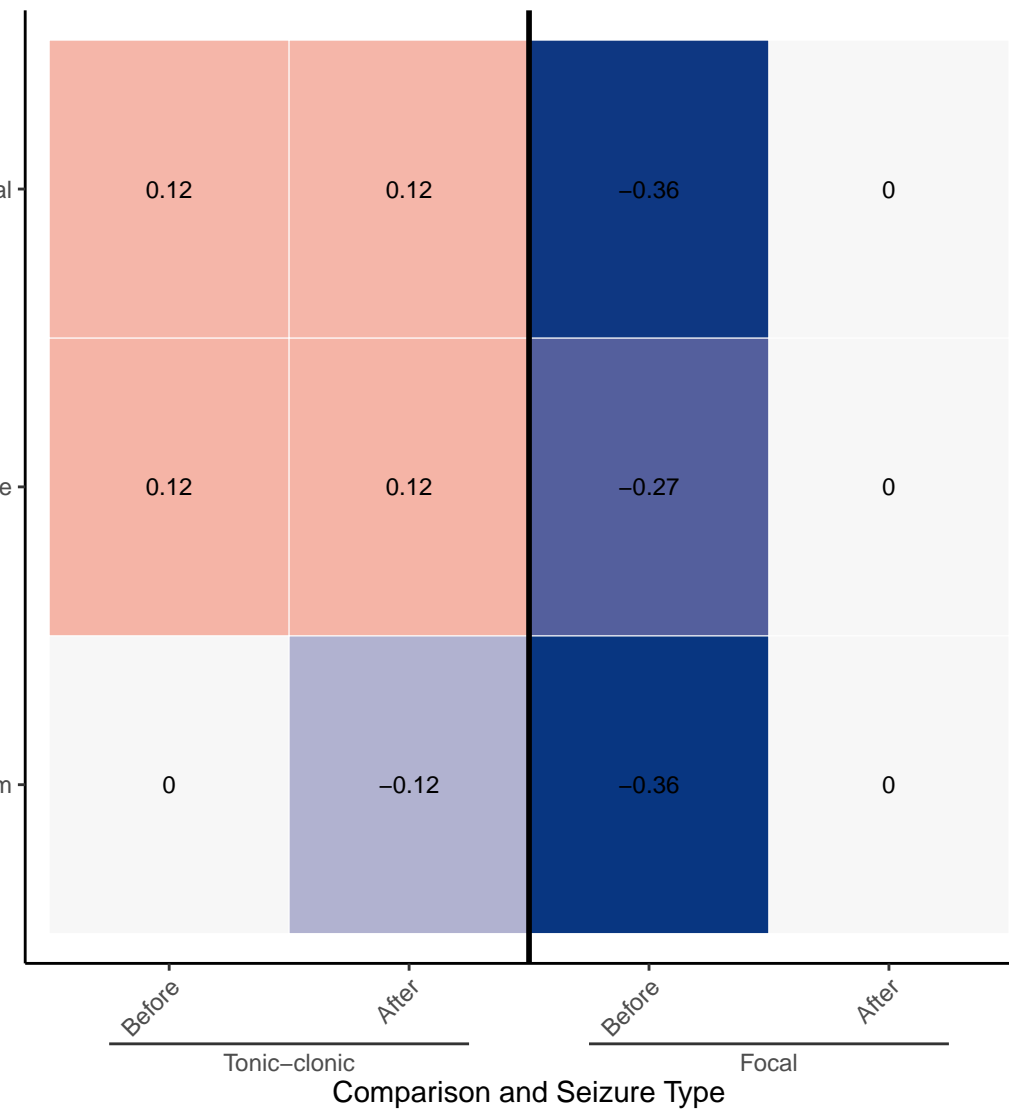
Seizure Index



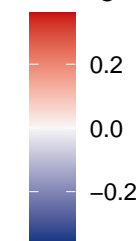
Medication

Phenobarbital
Lacosamide
Levetiracetam

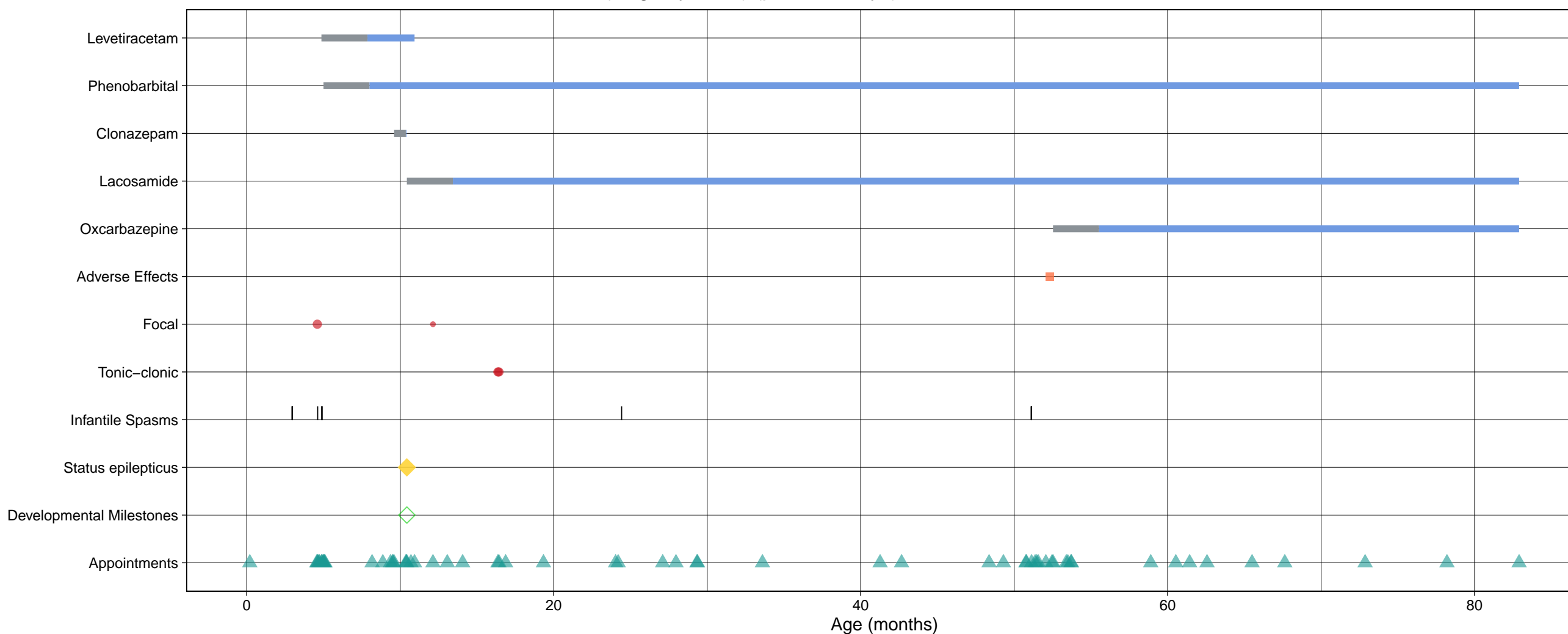
Seizure Index Comparisons



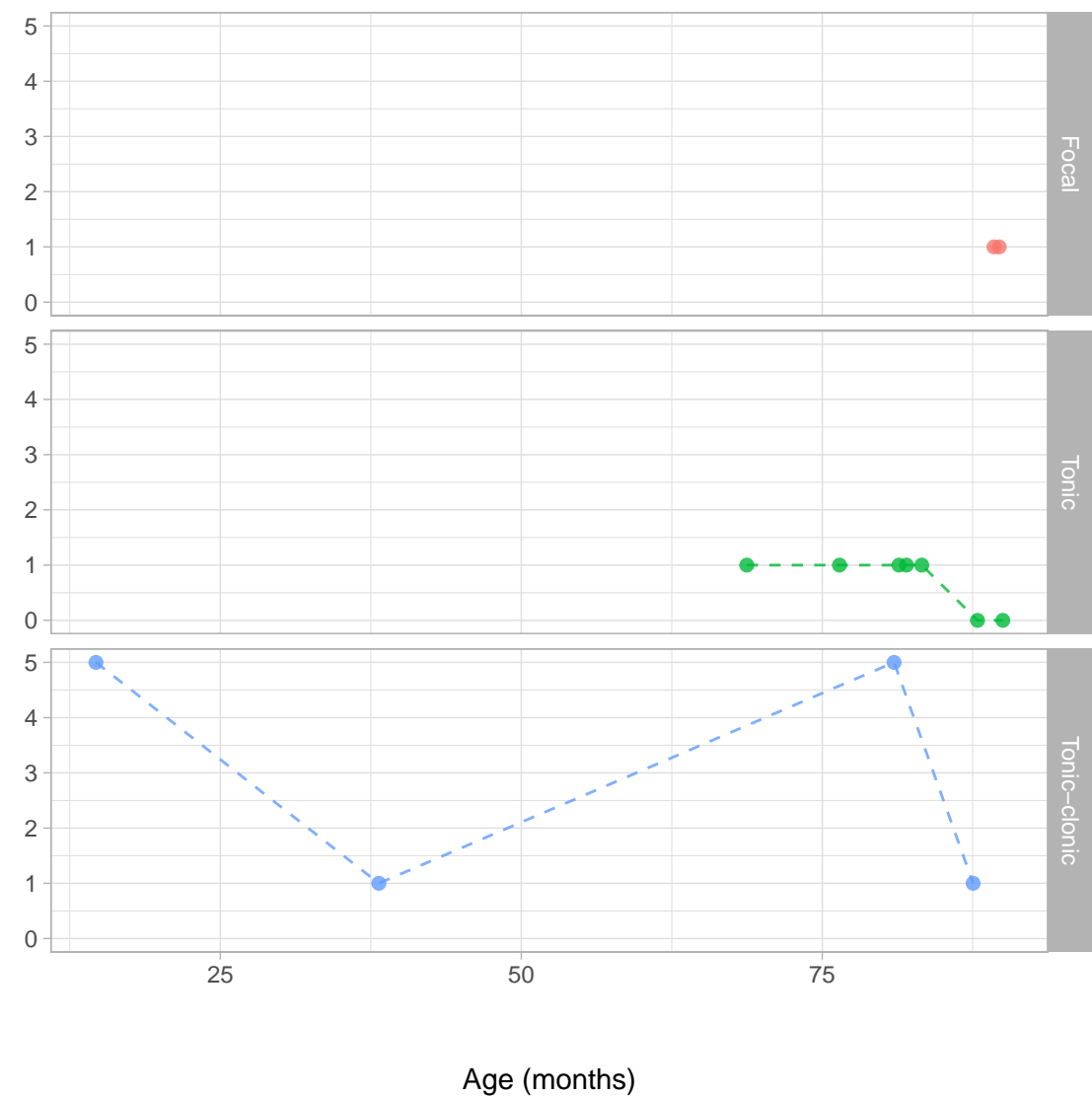
Change in Seizure Index



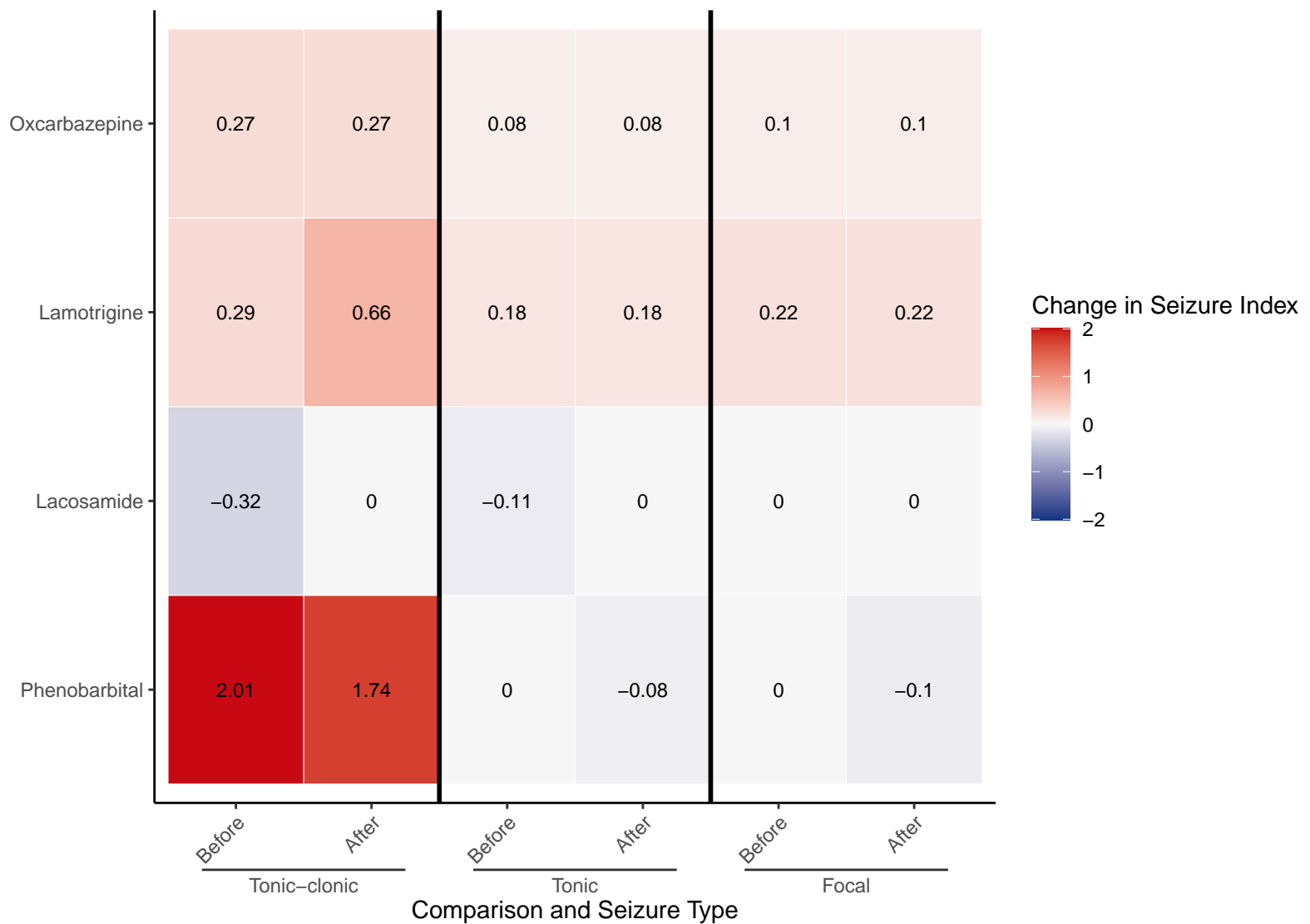
bae51aa8-6c1f-4ea1-8005-f07558477c41 (Registry #863) (p.Gln1501Lys)



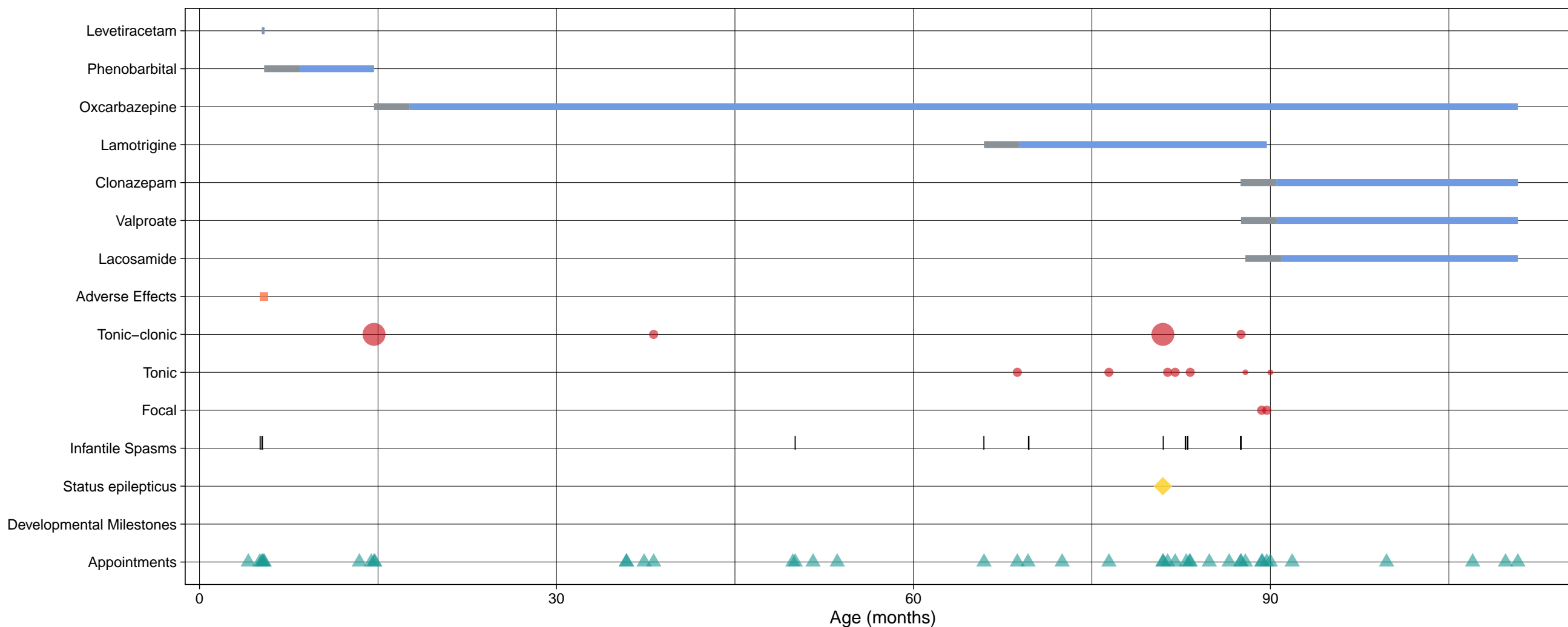
Seizure Index



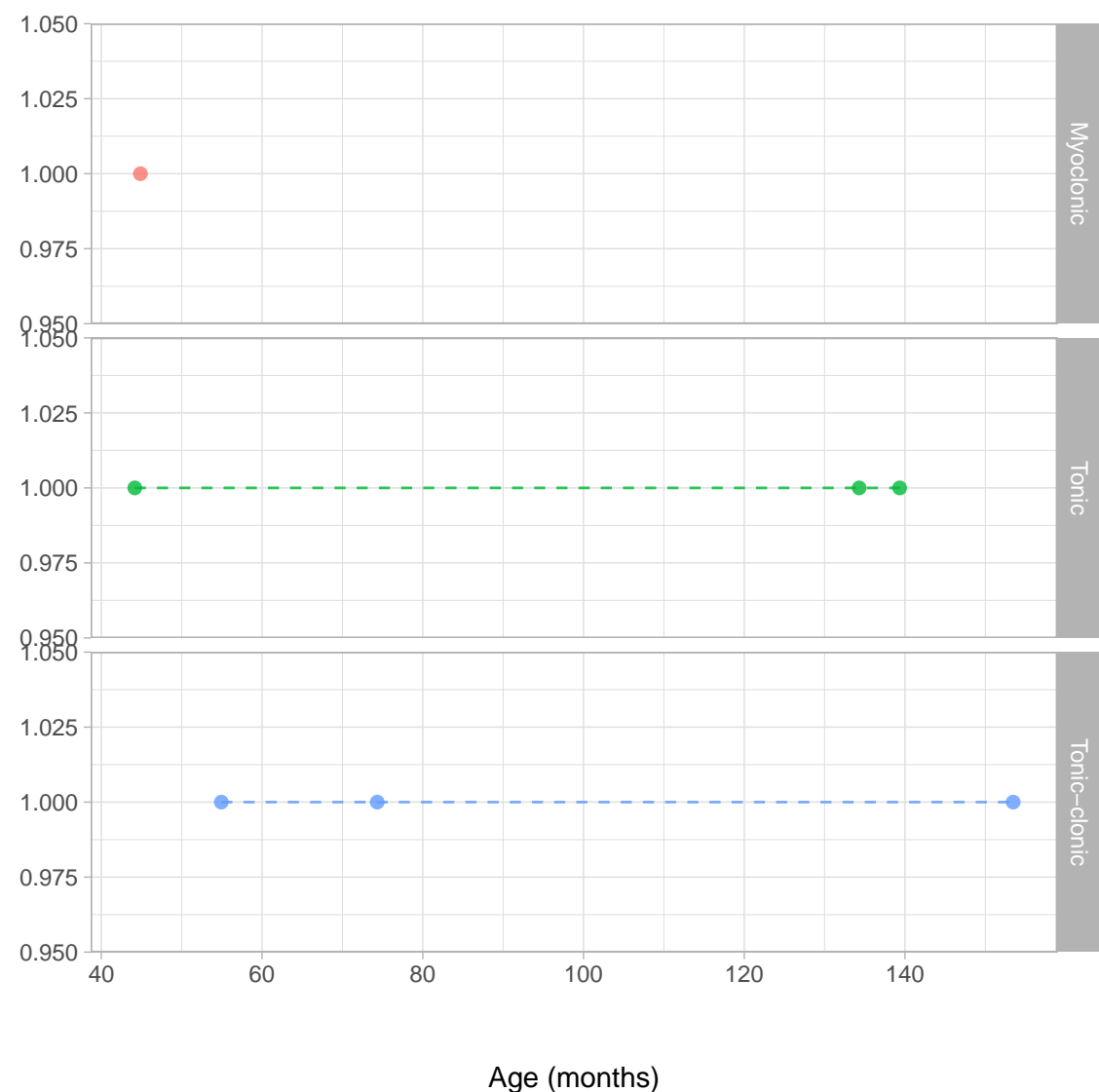
Seizure Index Comparisons



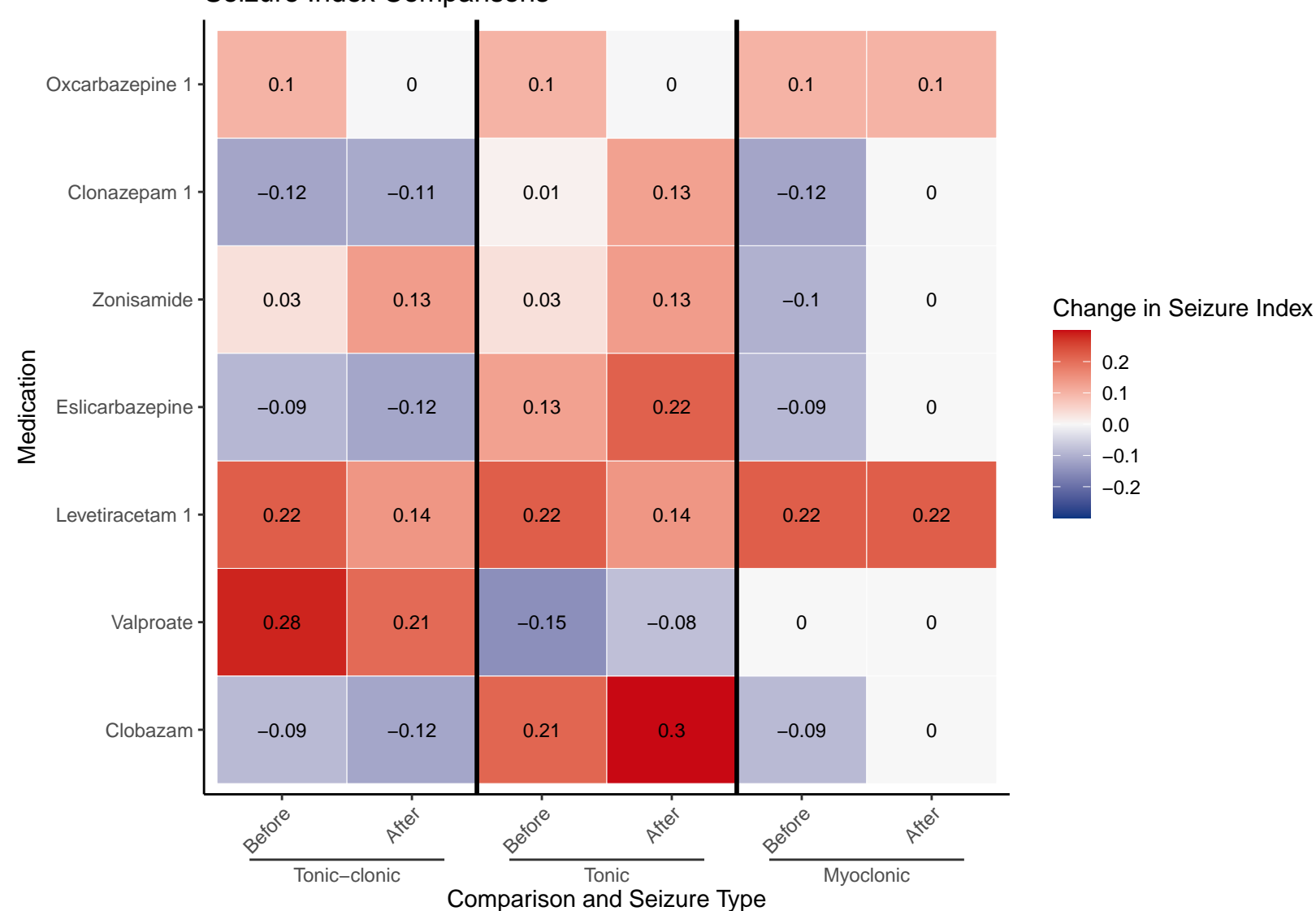
e320e6d6-0e44-423f-a3dc-18029444b6e8 (Registry #142) (p.Val1592Leu)



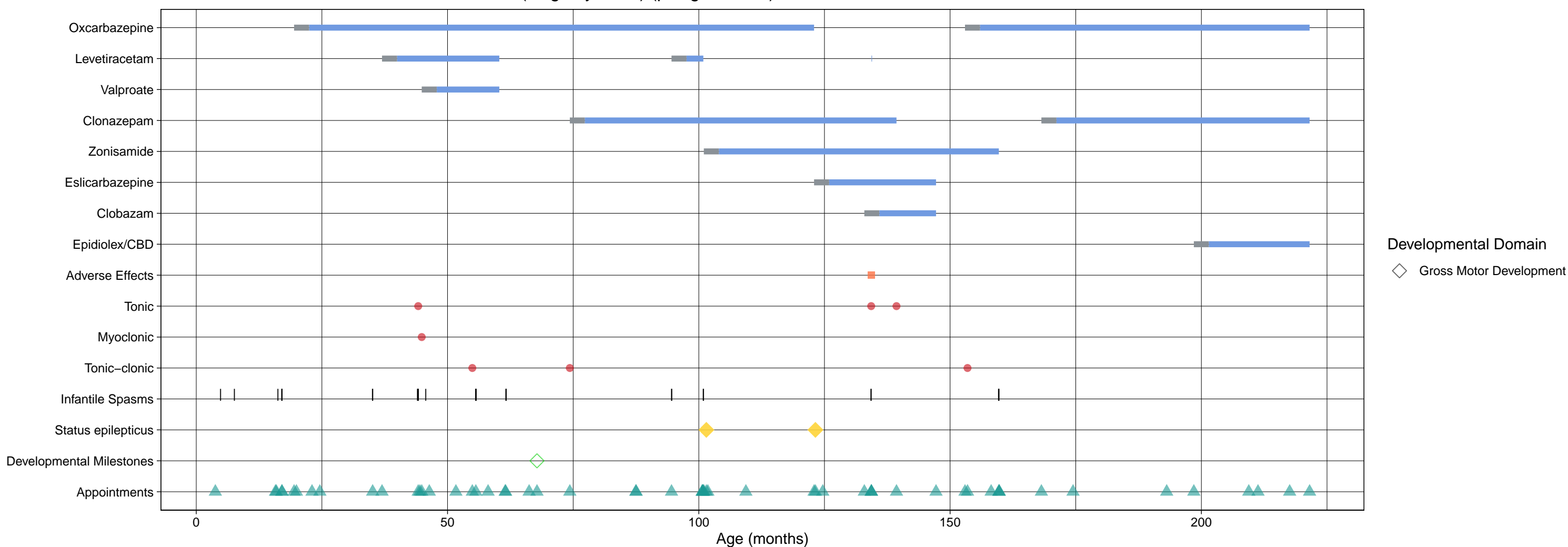
Seizure Index



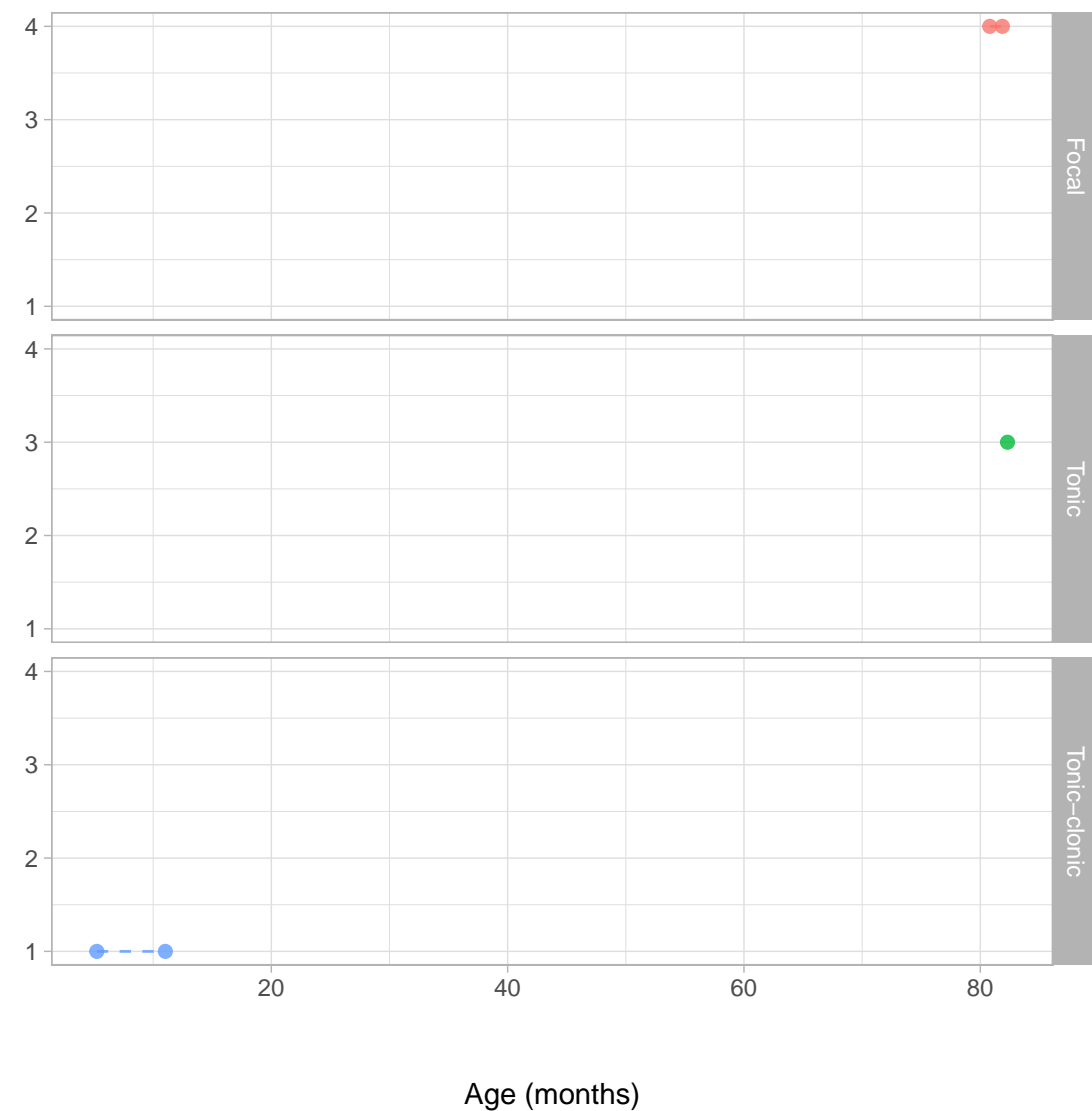
Seizure Index Comparisons



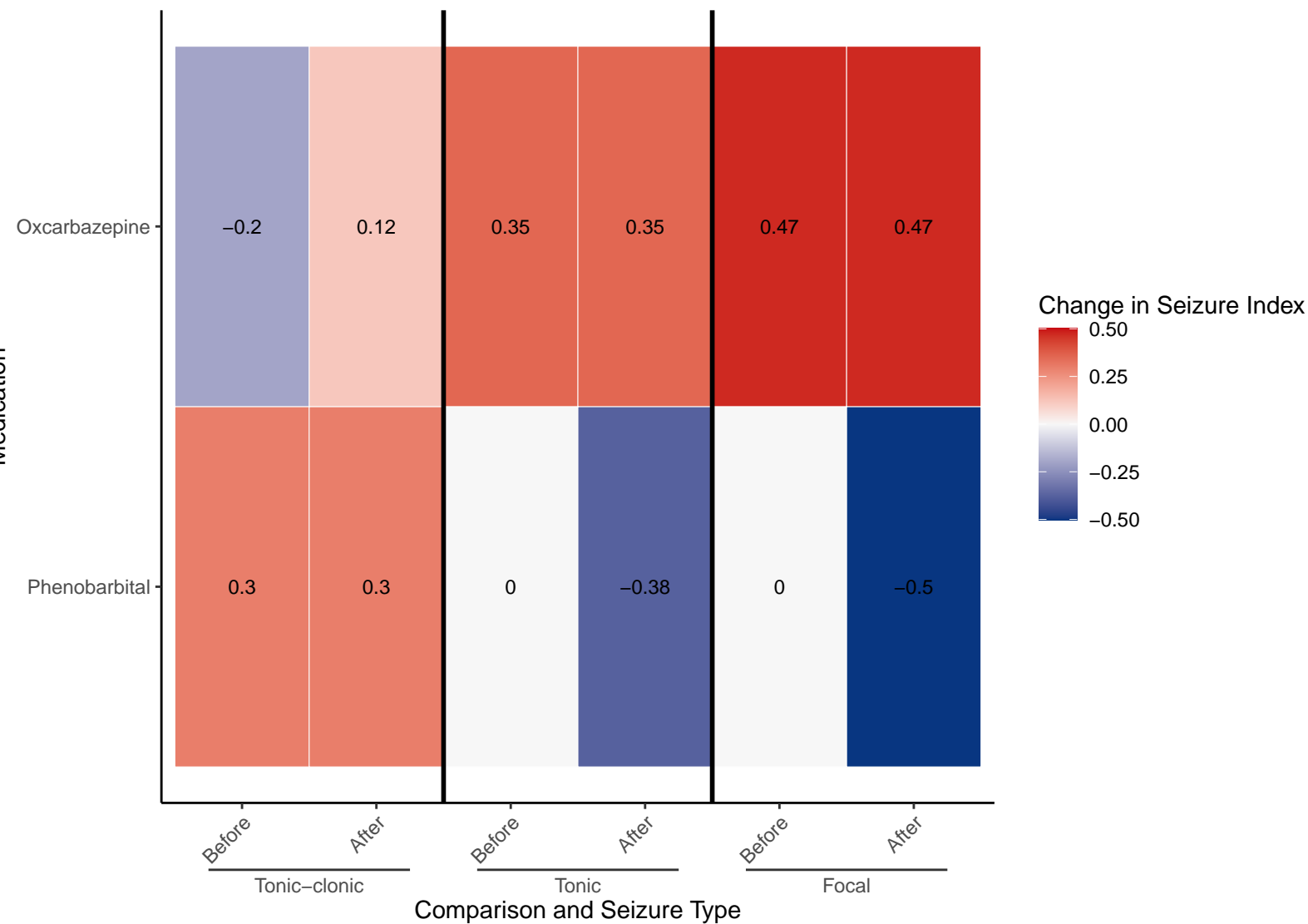
52928f64–eb12–44b7–a63c–7276af7a9c71 (Registry #560) (p.Arg1617Gln)



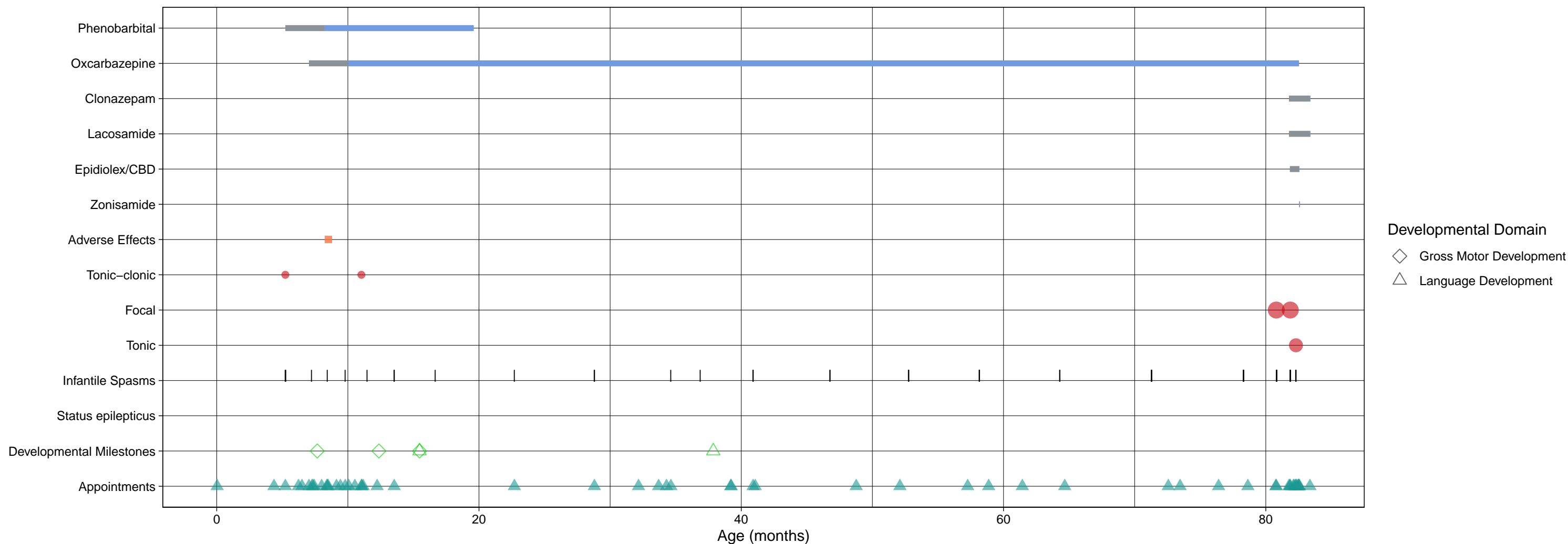
Seizure Index

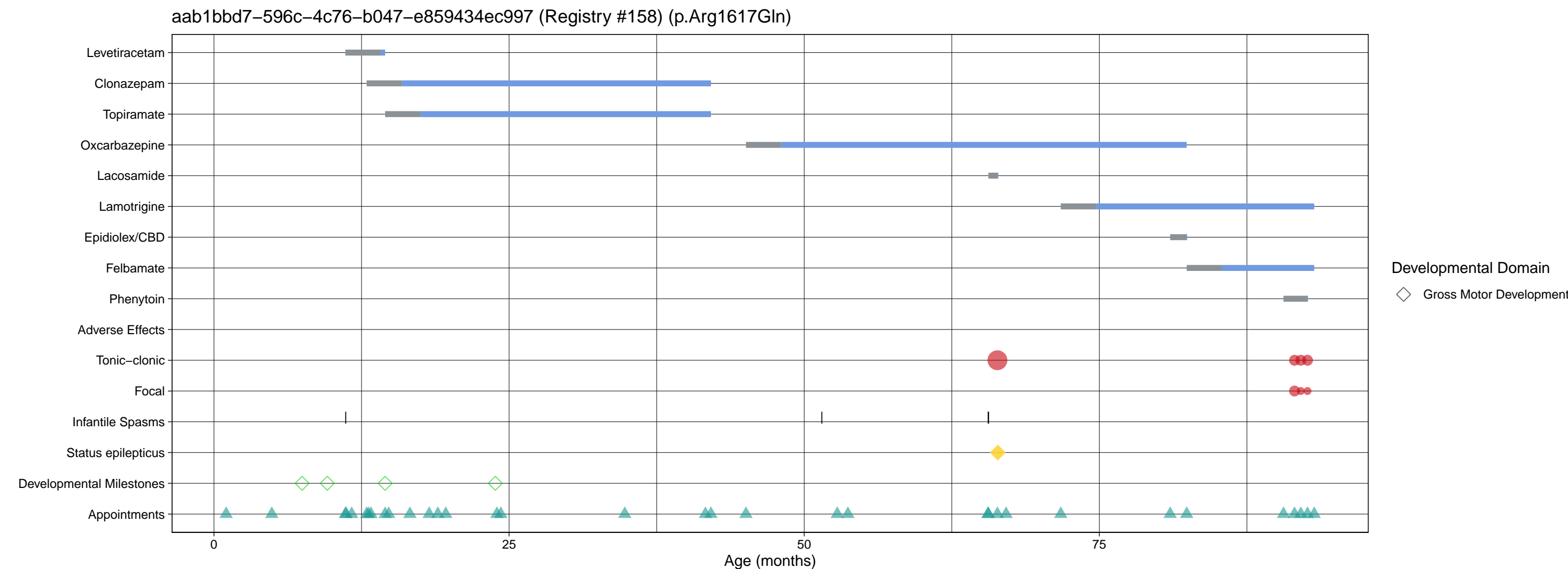
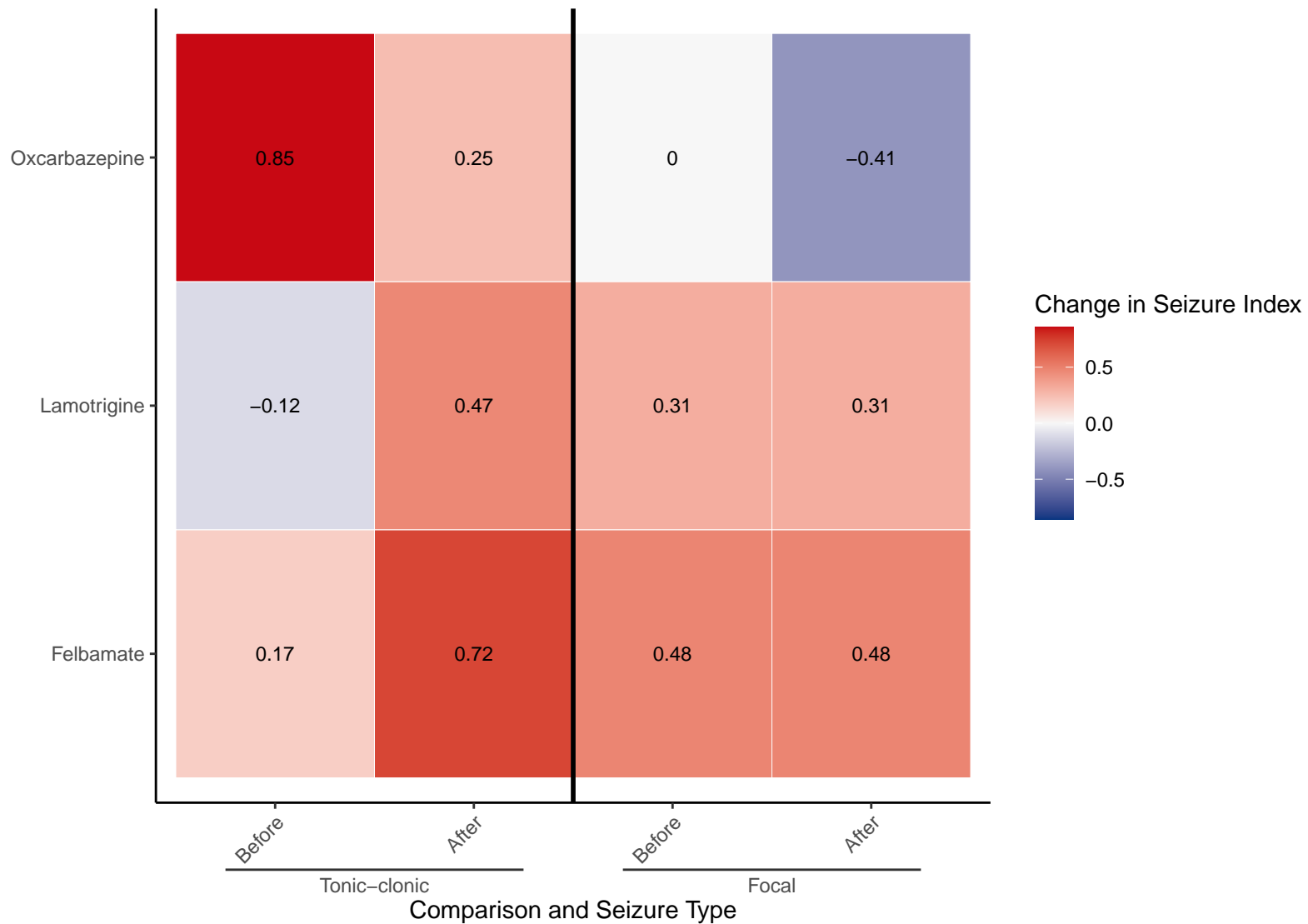
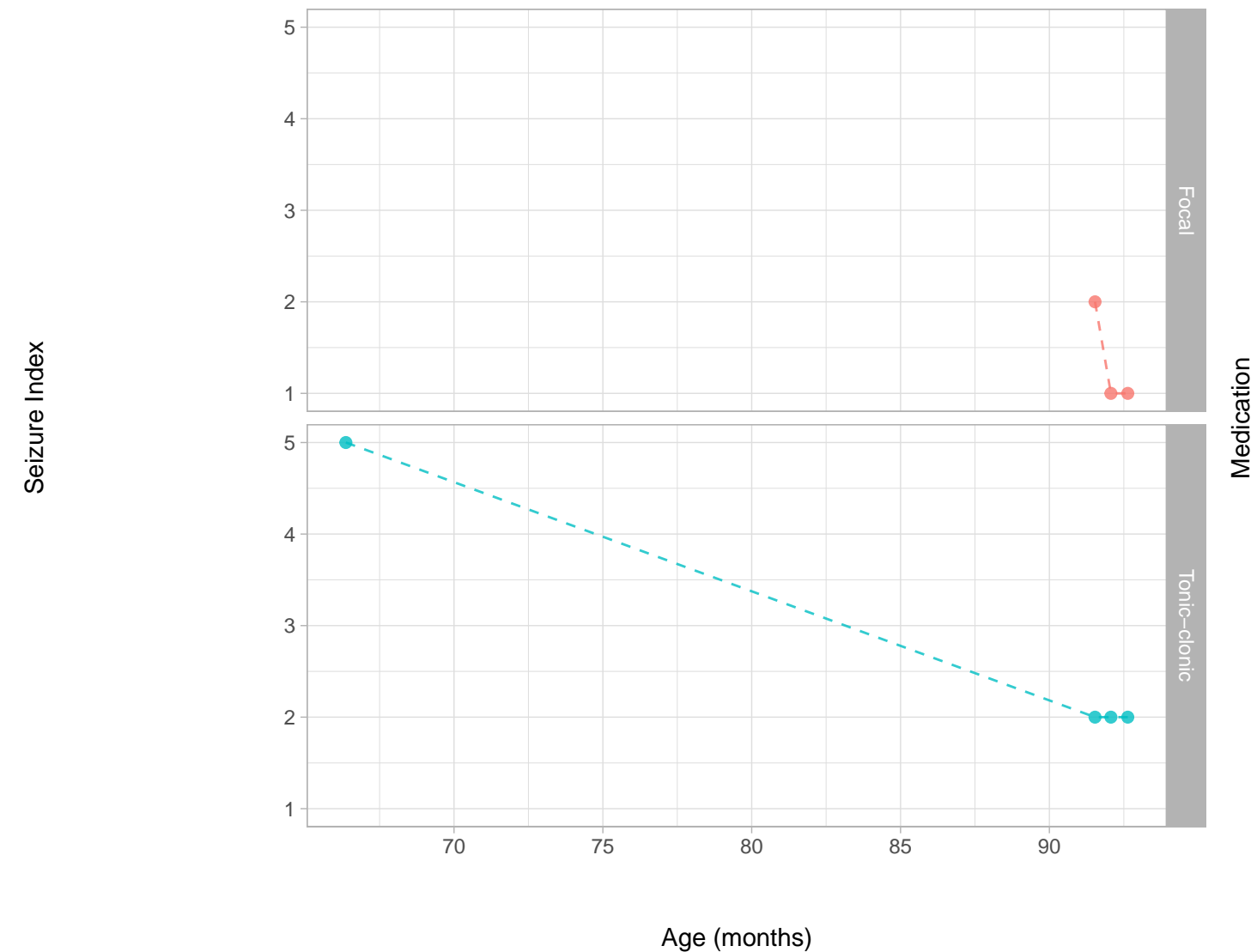


Seizure Index Comparisons

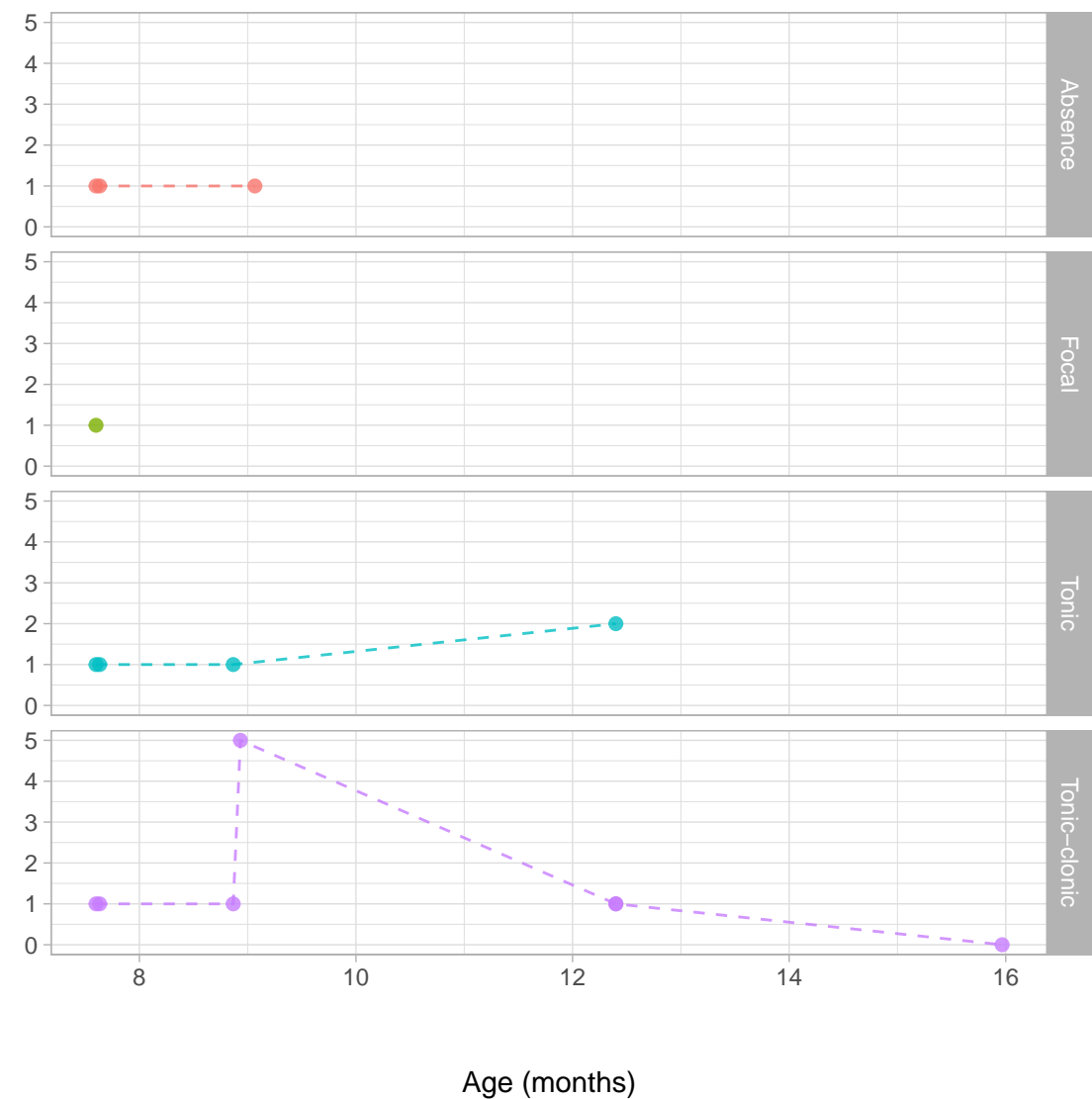


7c192916-2b3a-44bc-b42f-f92f6f81bd41 (Registry #638) (p.Arg1617Gln)

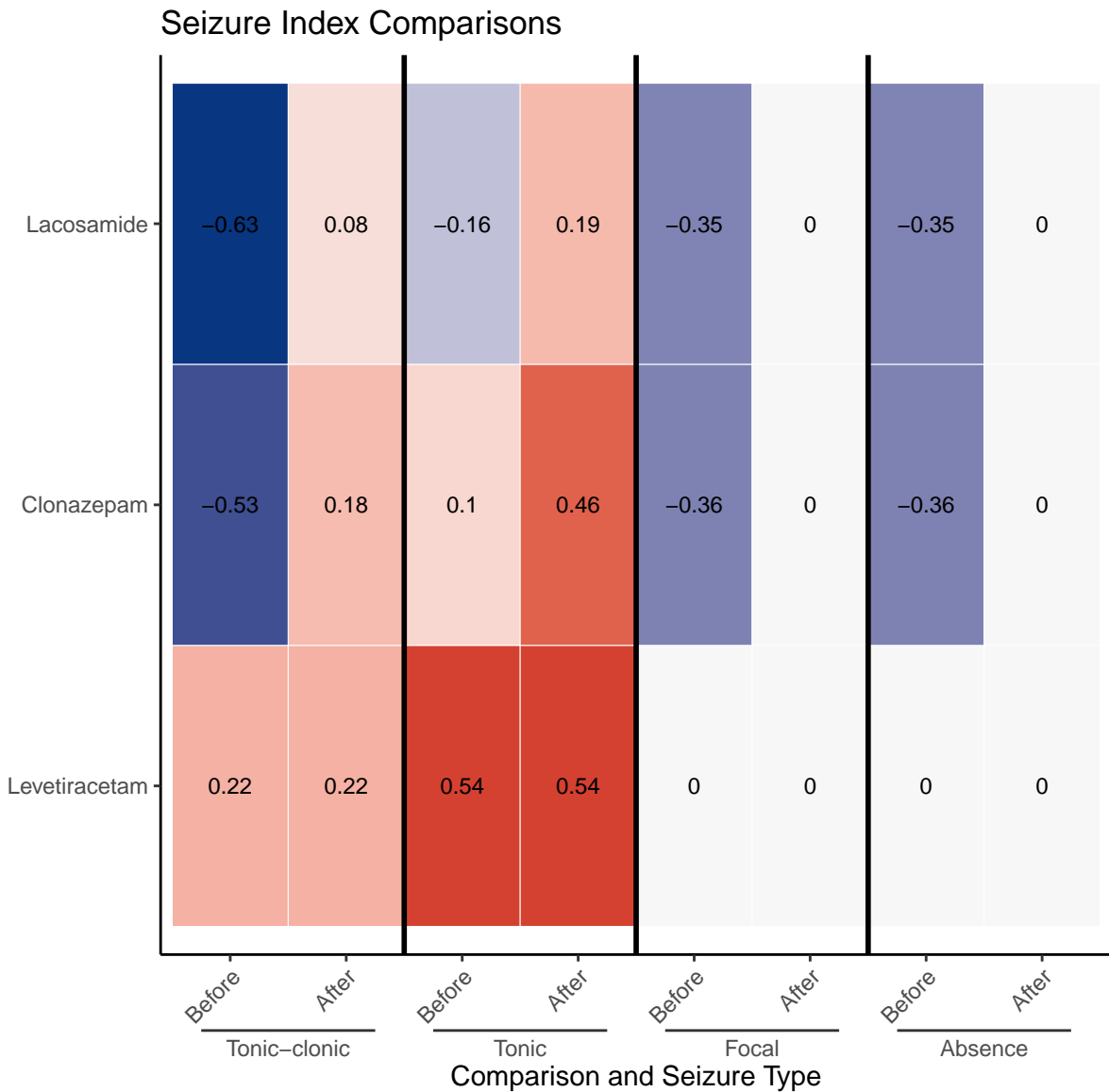




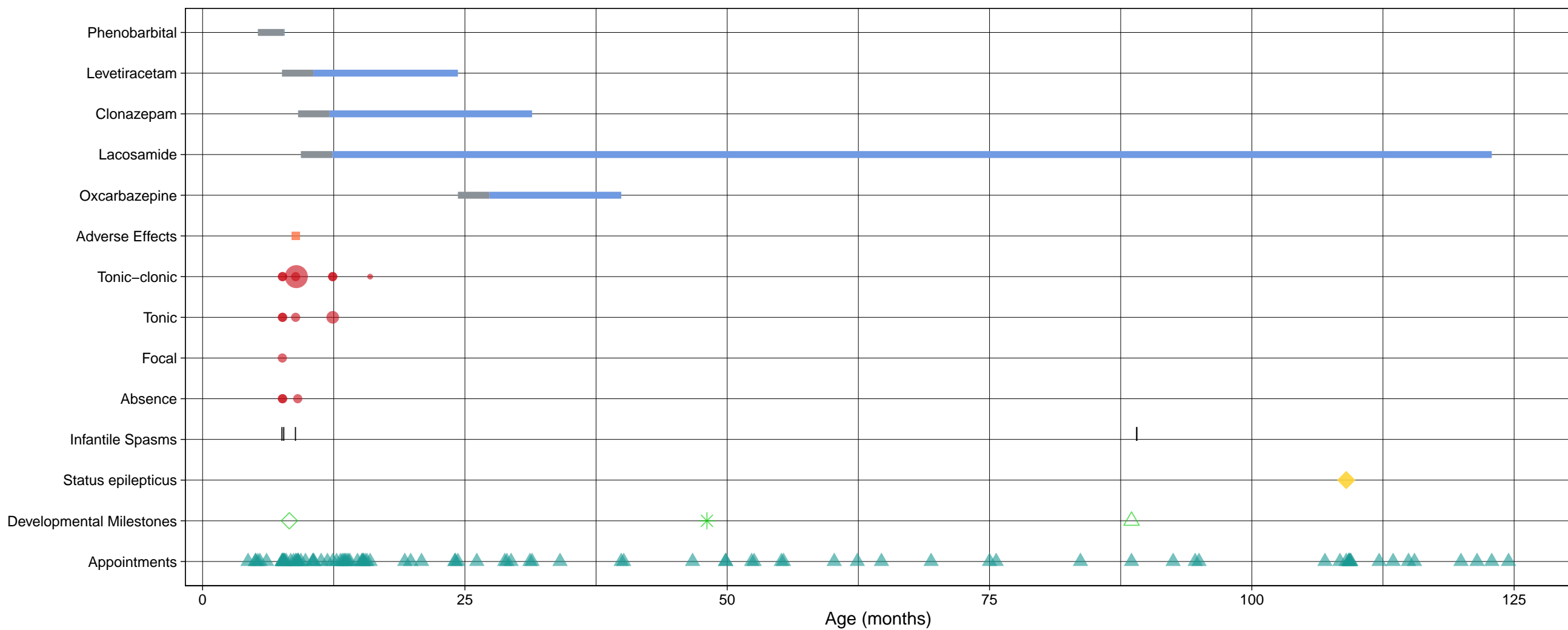
Seizure Index



Medication



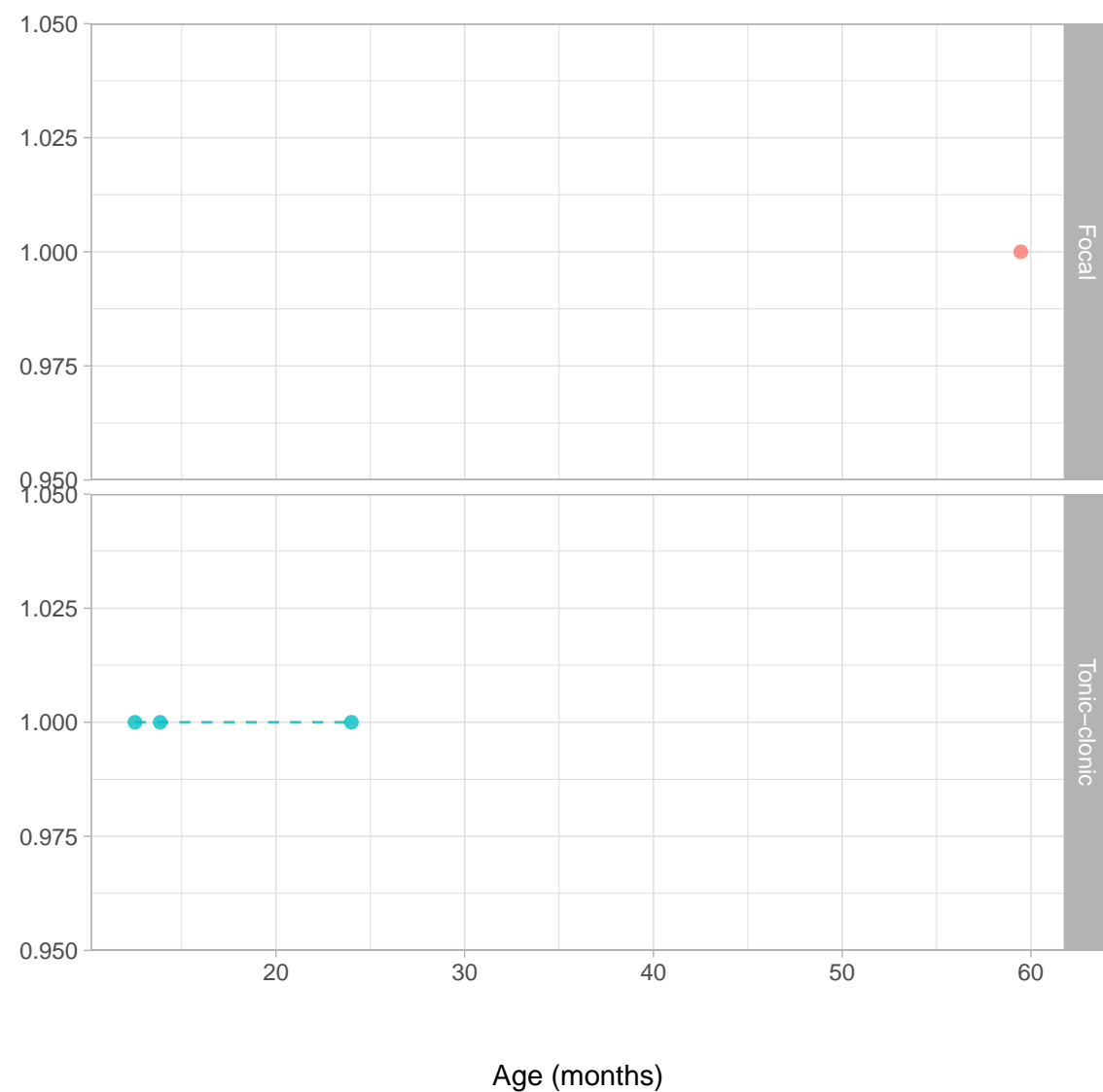
bbb8471f-f12d-499d-99aa-677ea4c77dc5 (Registry #796) (p.Arg1617Gln)



Developmental Domain

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

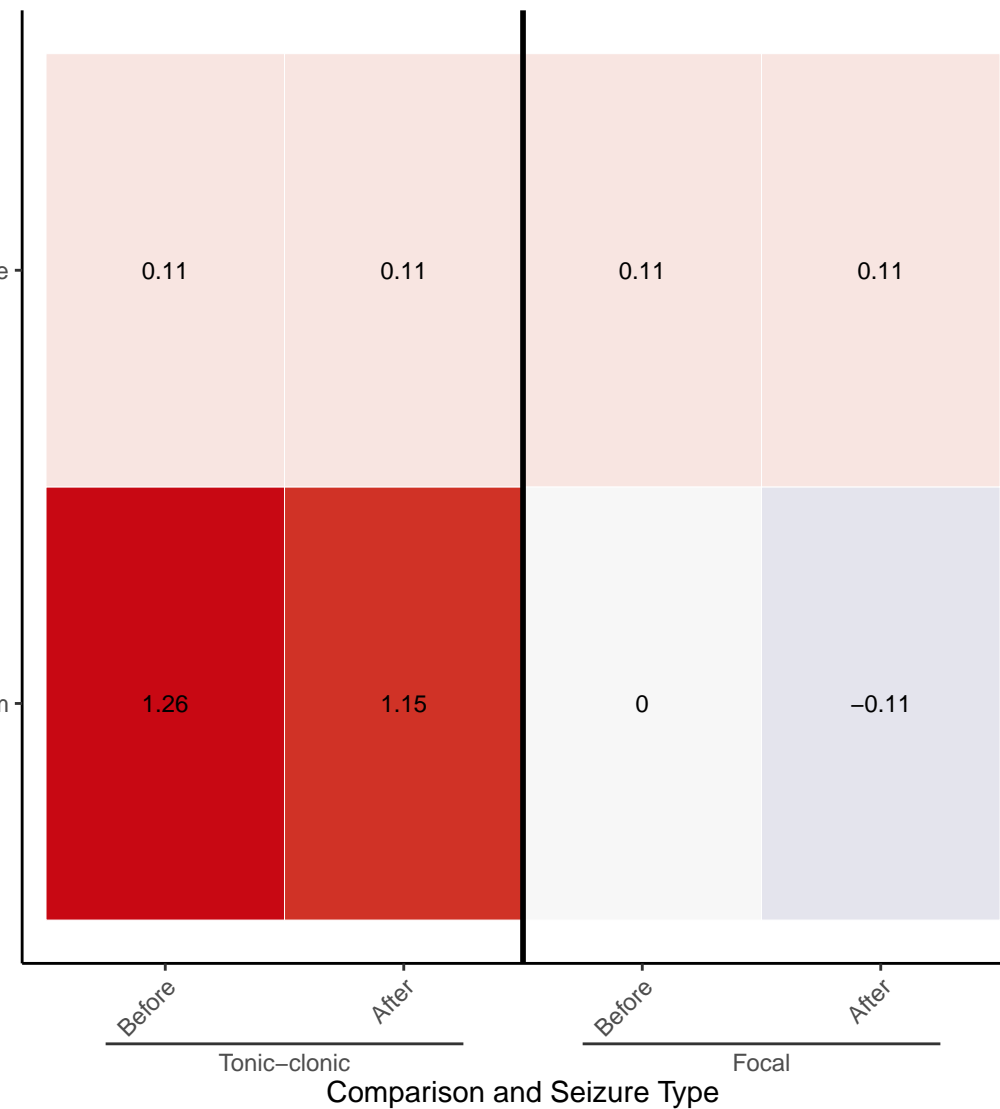
Seizure Index



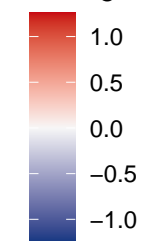
Medication

Oxcarbazepine
Levetiracetam

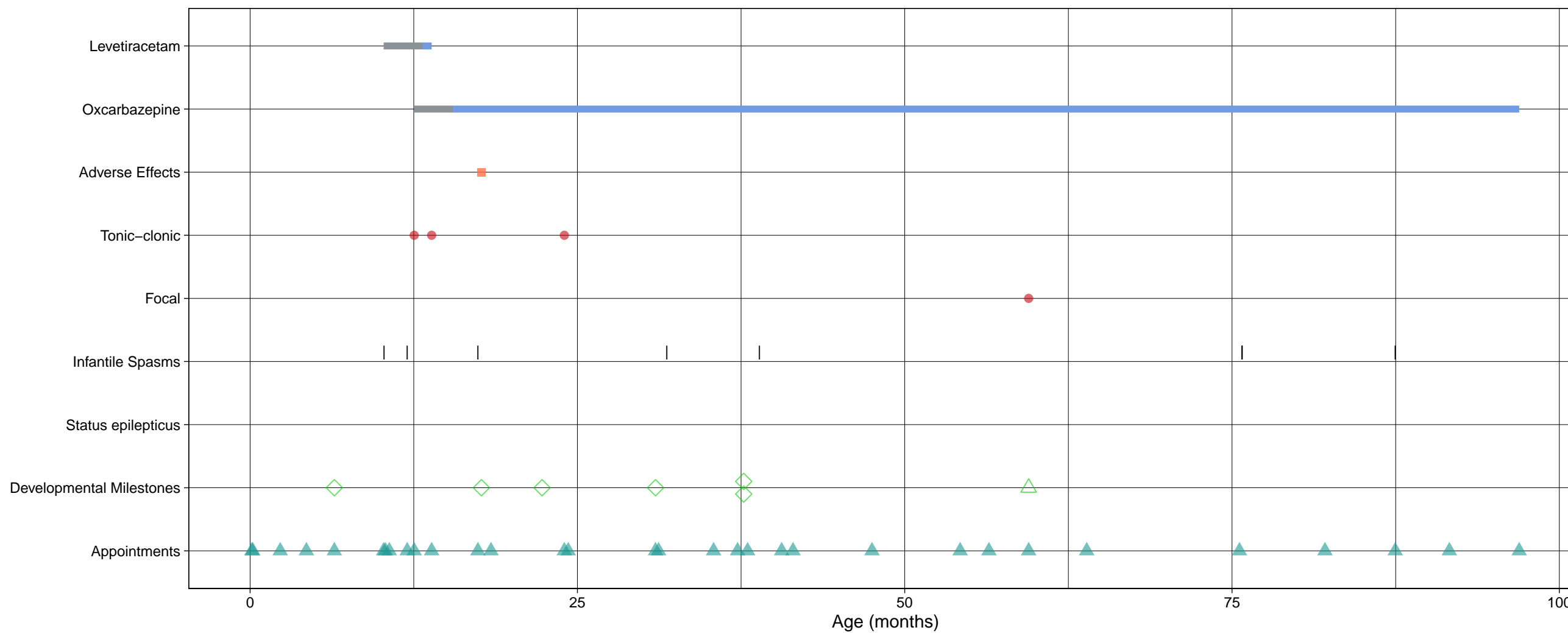
Seizure Index Comparisons



Change in Seizure Index



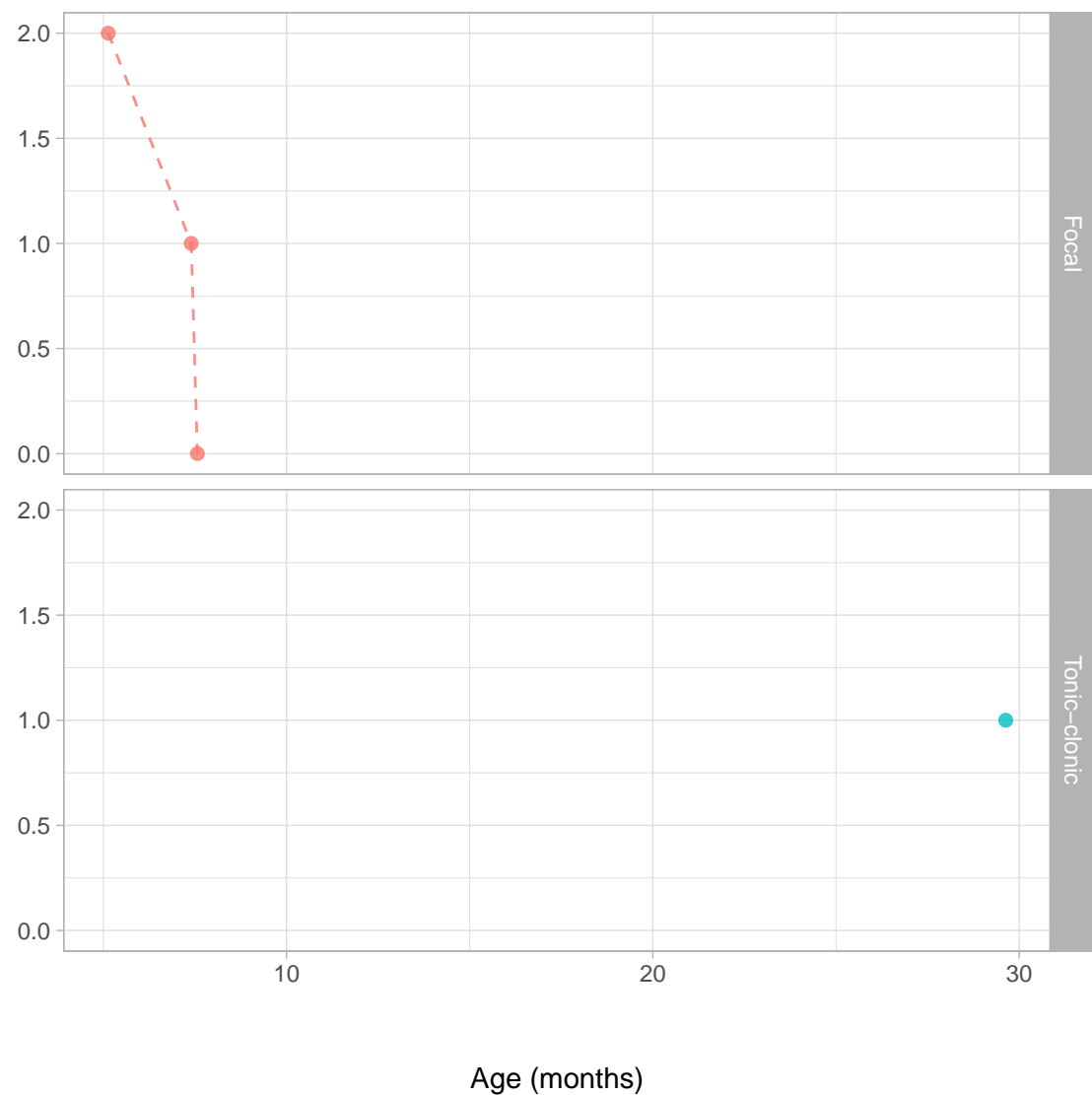
e2fee4a7-cadc-4fa1-a766-40cbe5103c71 (Registry #163) (p.Arg1617Gln)



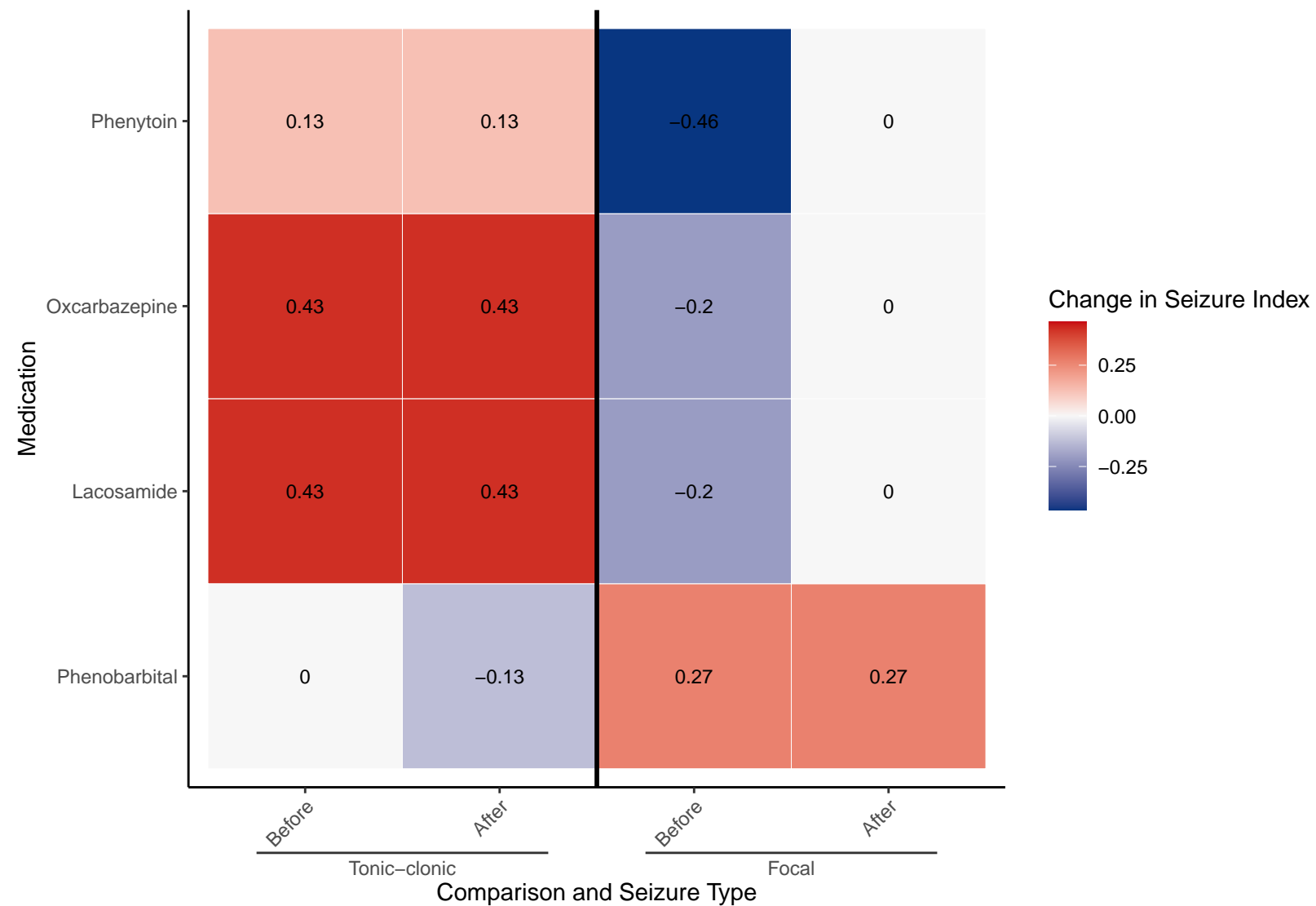
Developmental Domain

- Gross Motor Development
- Language Development

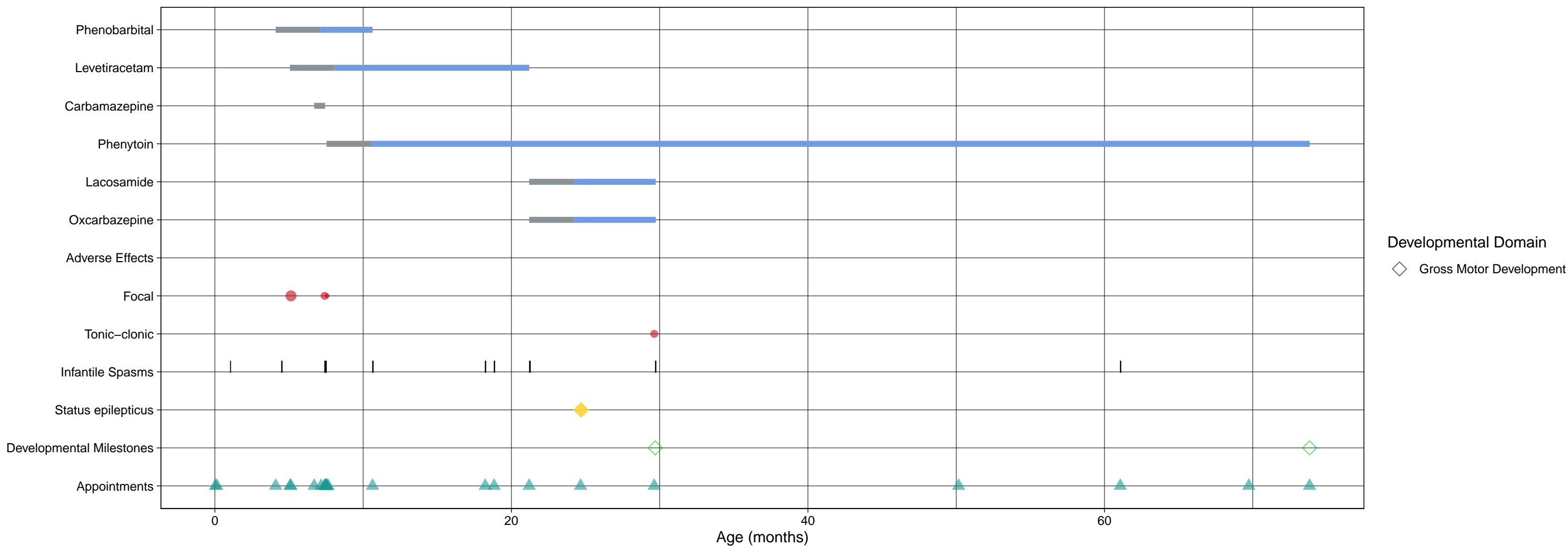
Seizure Index



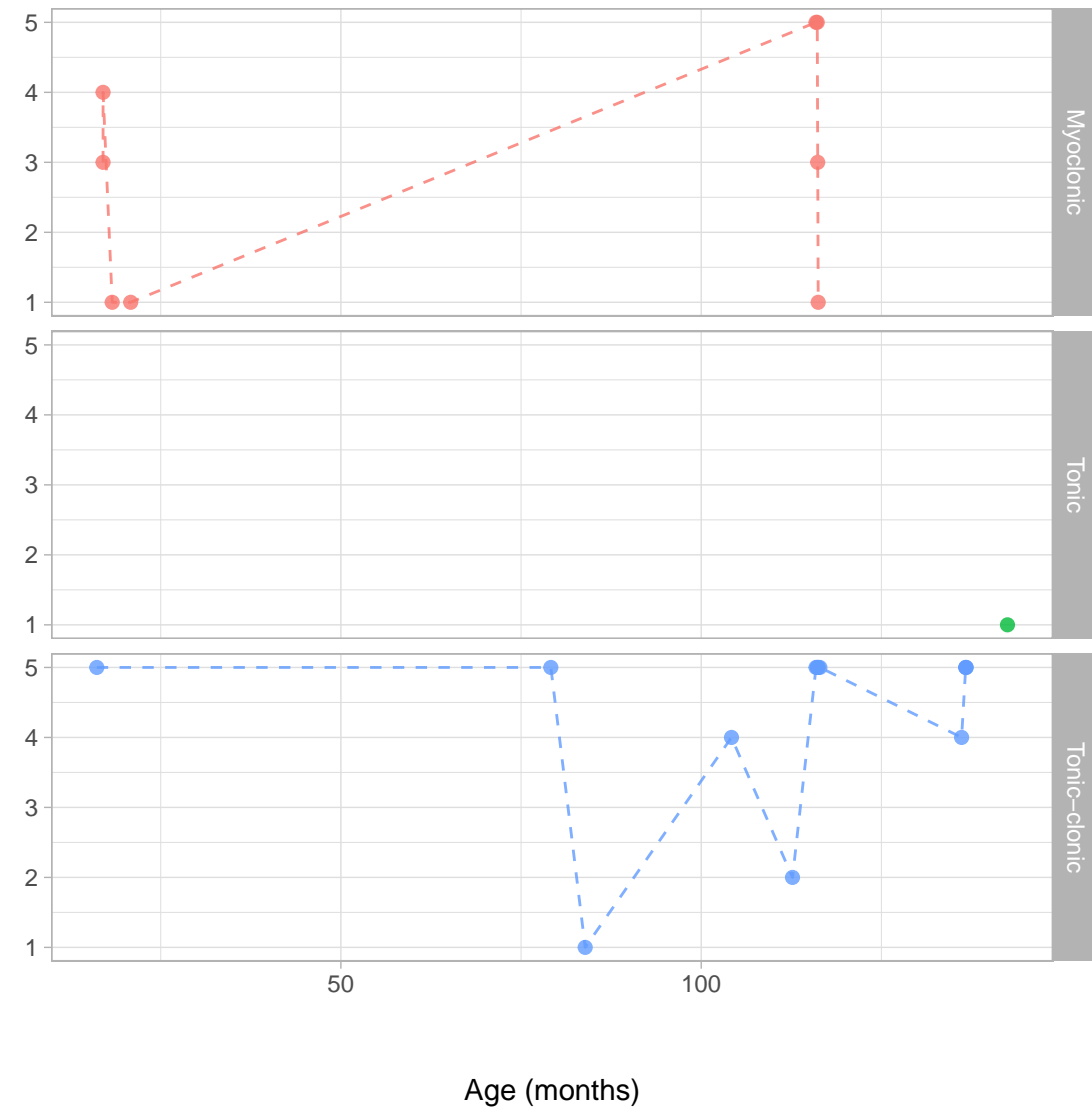
Seizure Index Comparisons



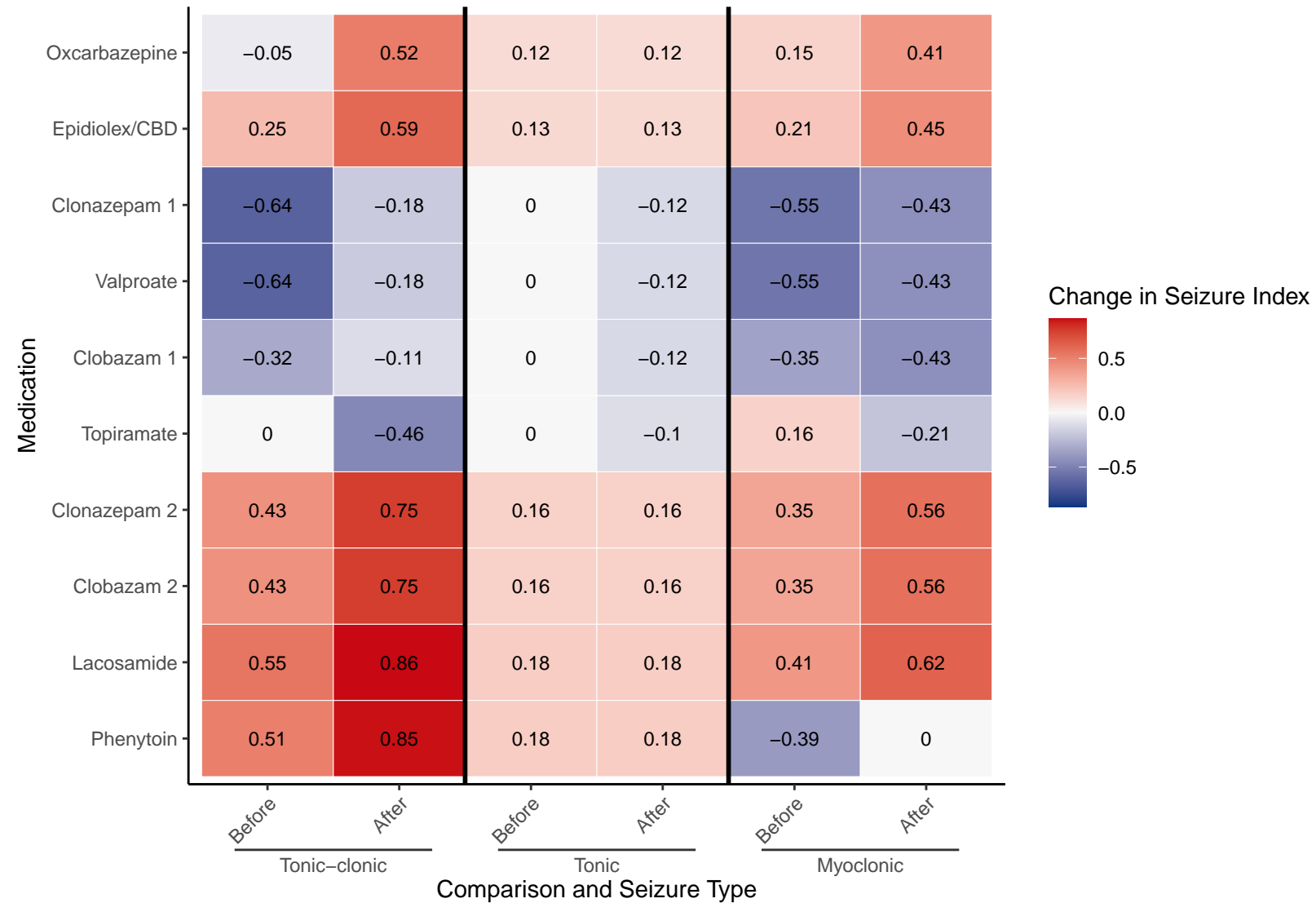
44720703-57ab-4c29-ab8b-3e1a8200a096 (Registry #76) (p.Leu1628Trp)



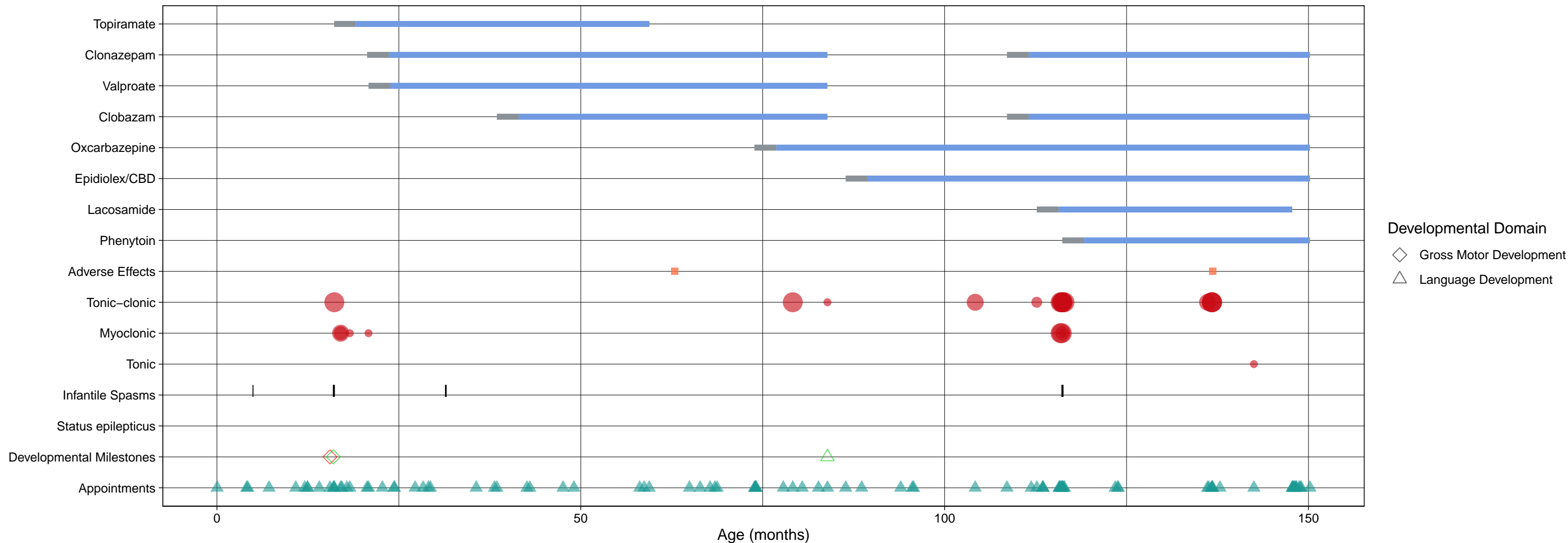
Seizure Index



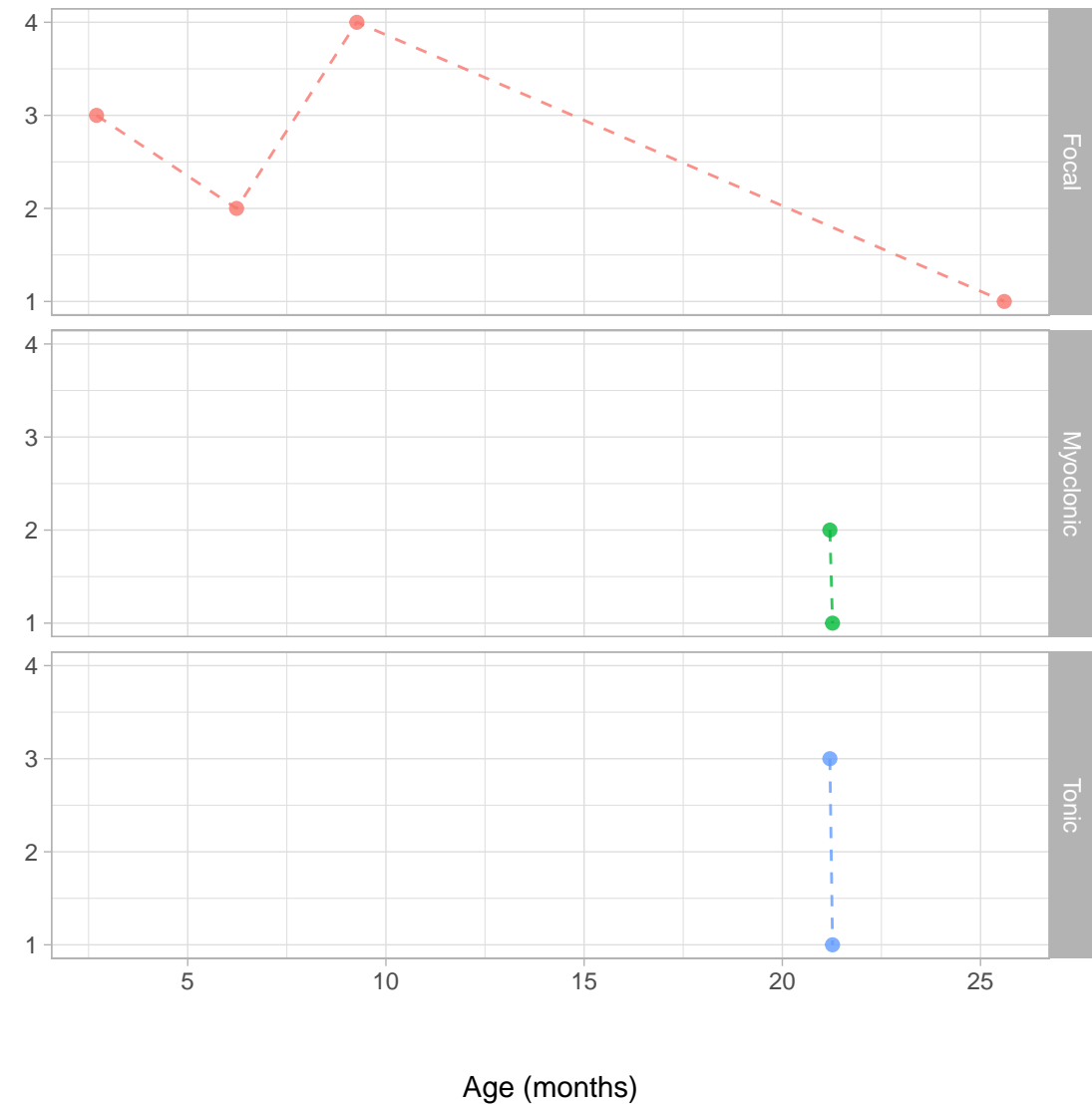
Seizure Index Comparisons



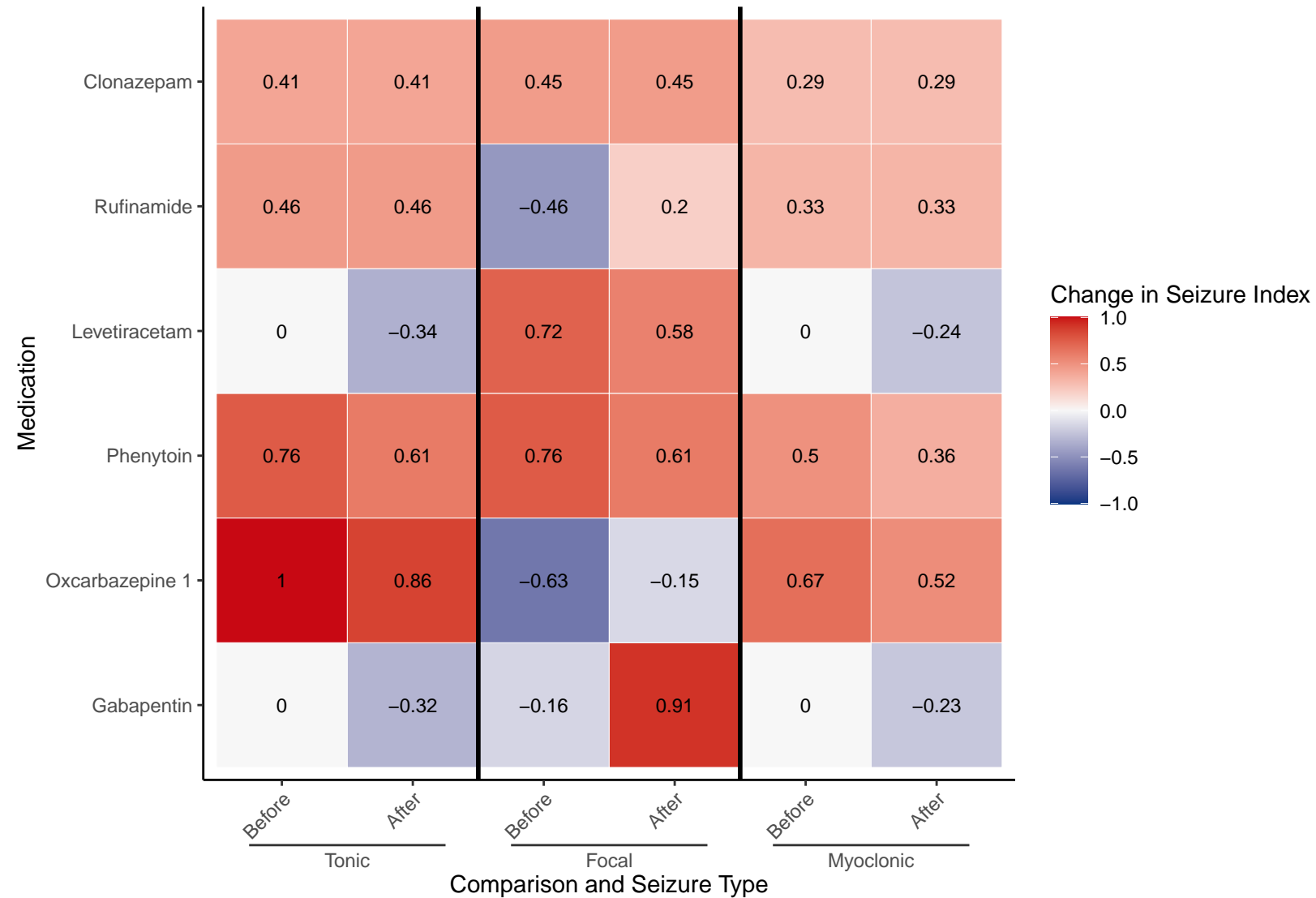
422f6362-43ef-4e55-95f5-a4fb6ee50ff4 (Registry #147) (p.Leu1630Pro)



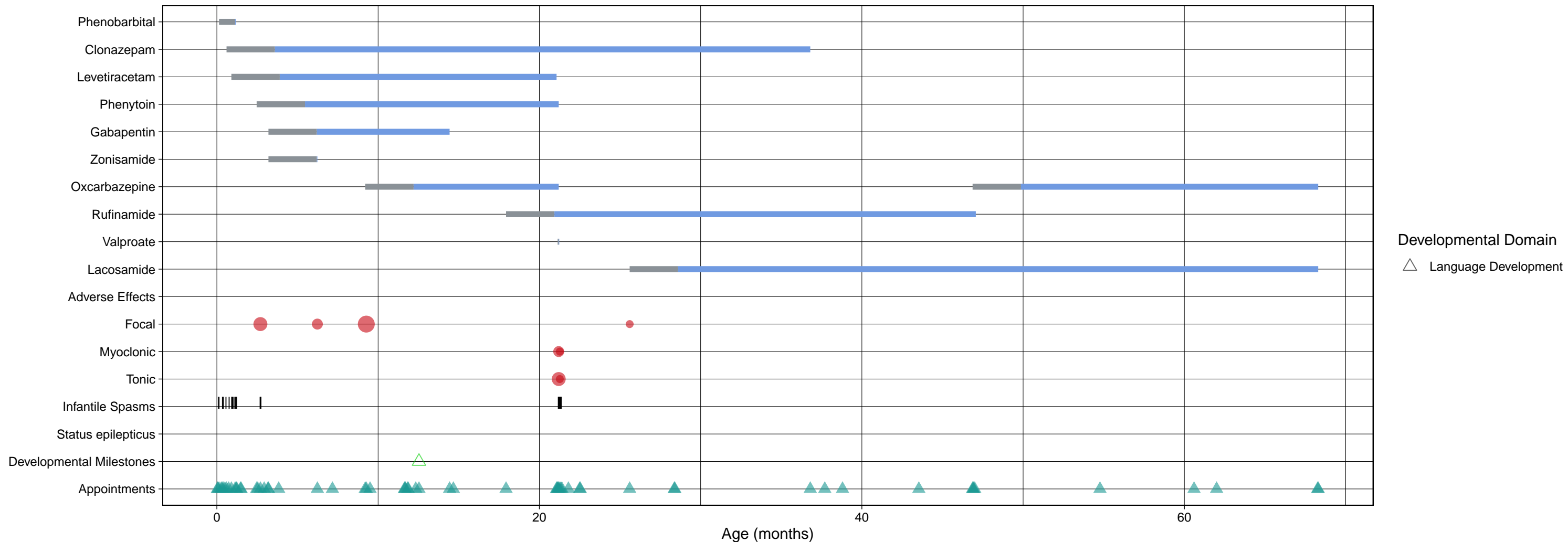
Seizure Index



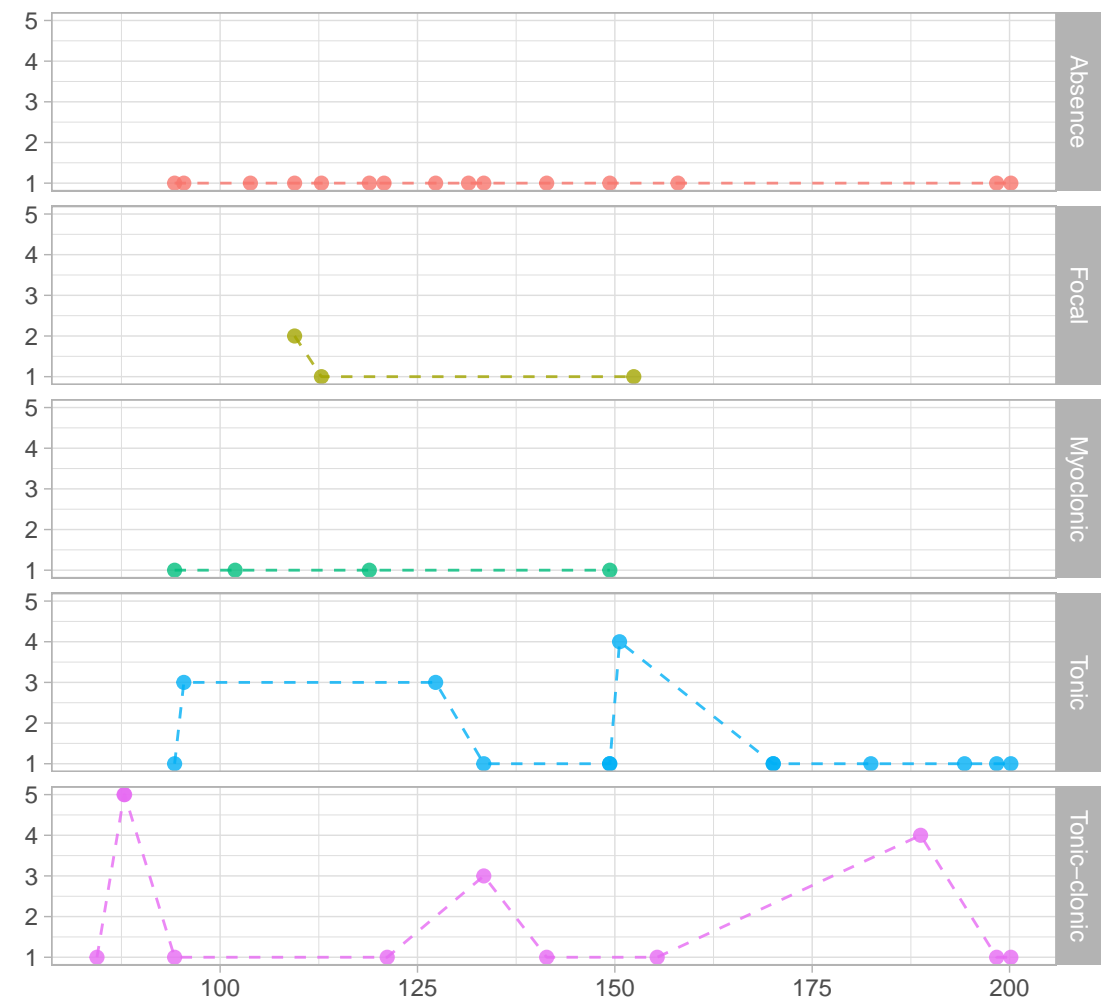
Seizure Index Comparisons



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

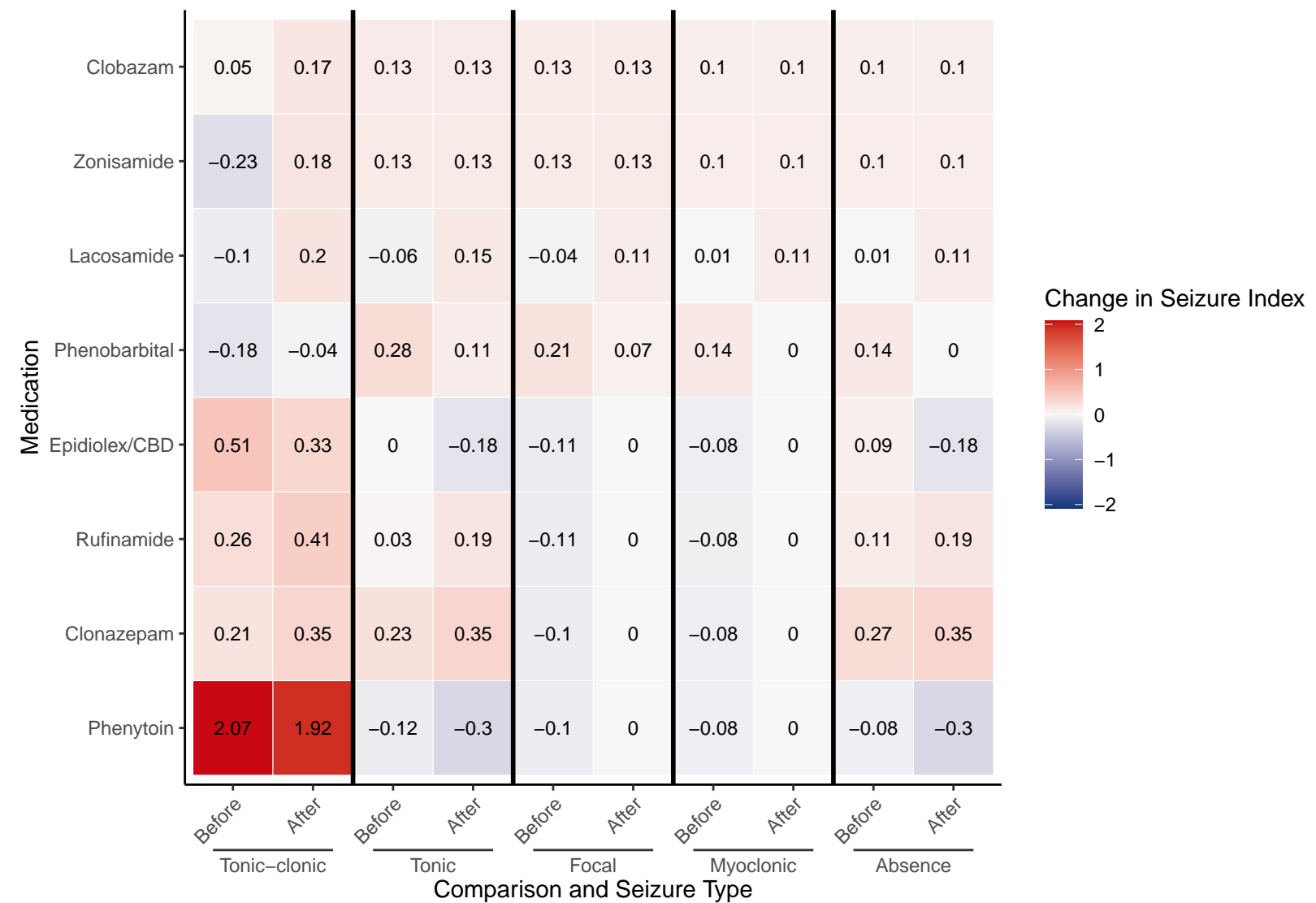


Seizure Index

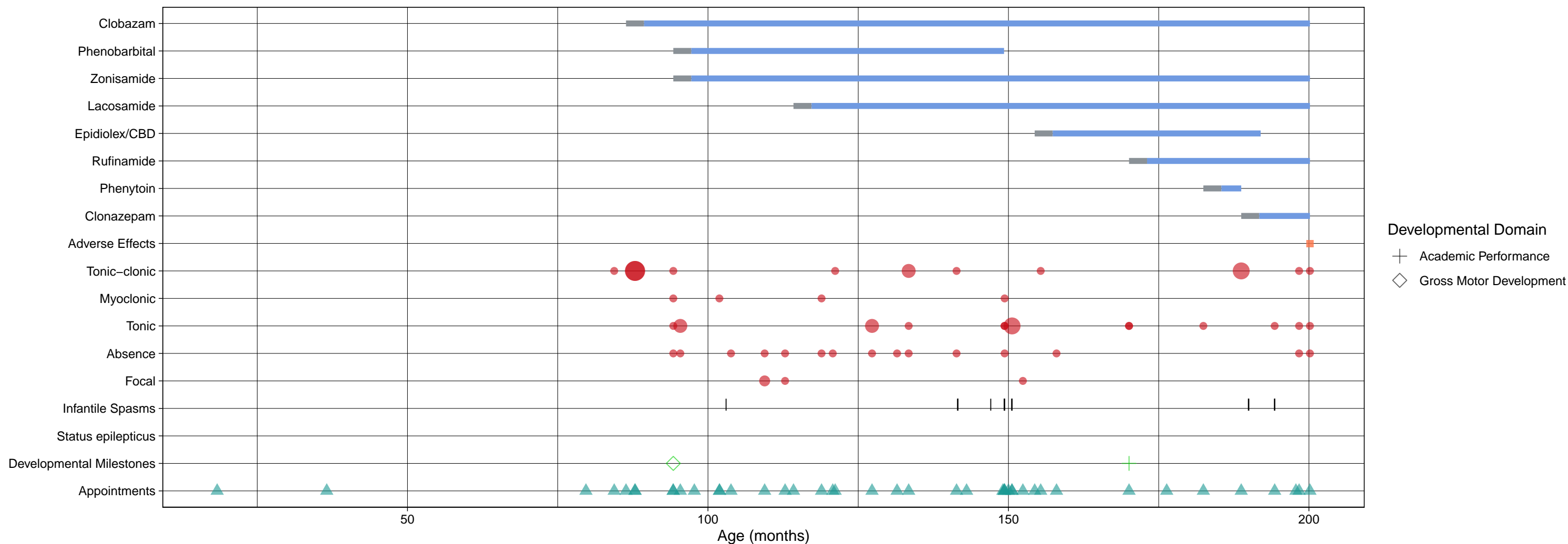


Age (months)

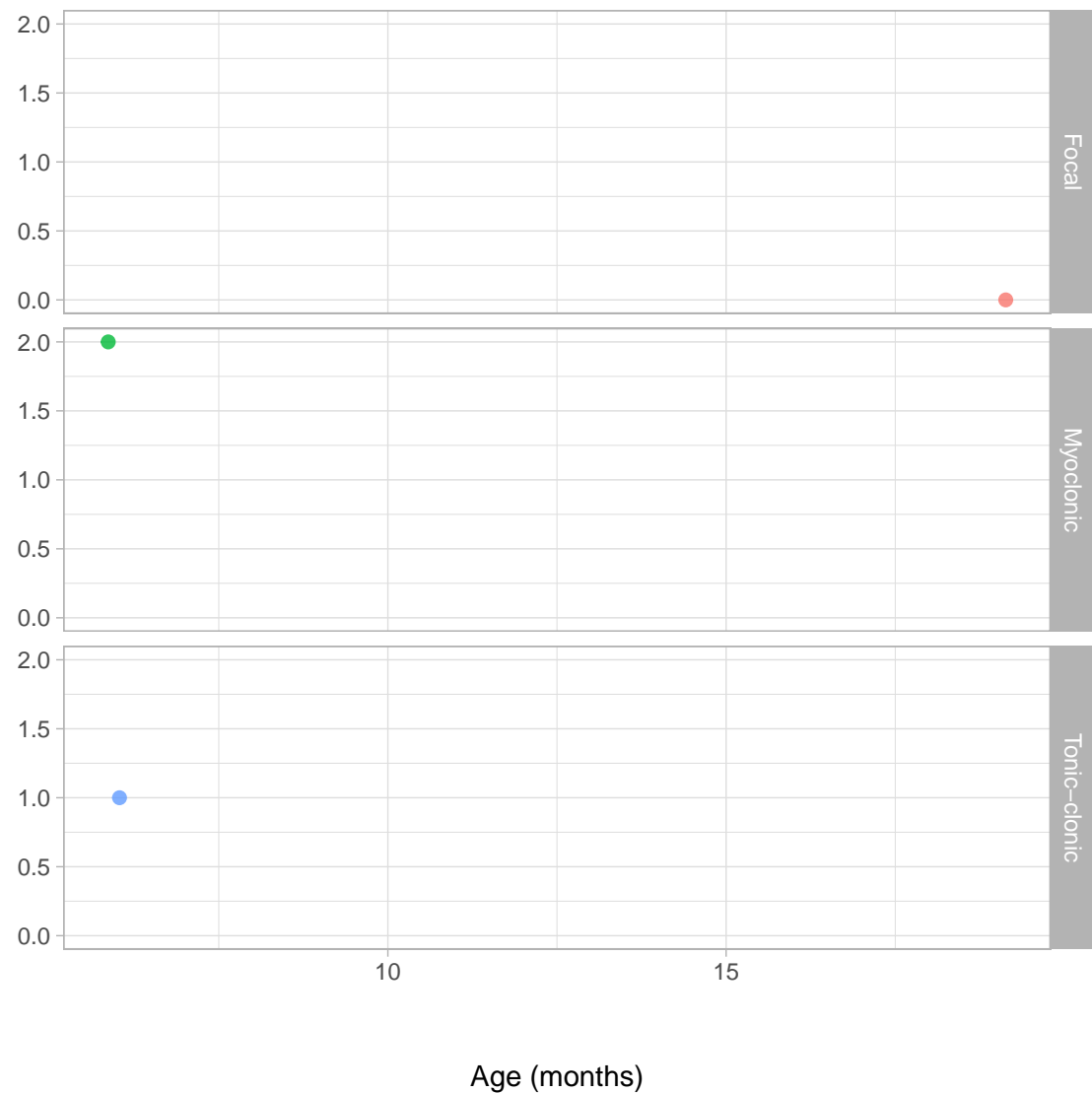
Seizure Index Comparisons



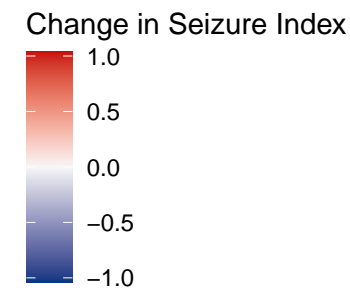
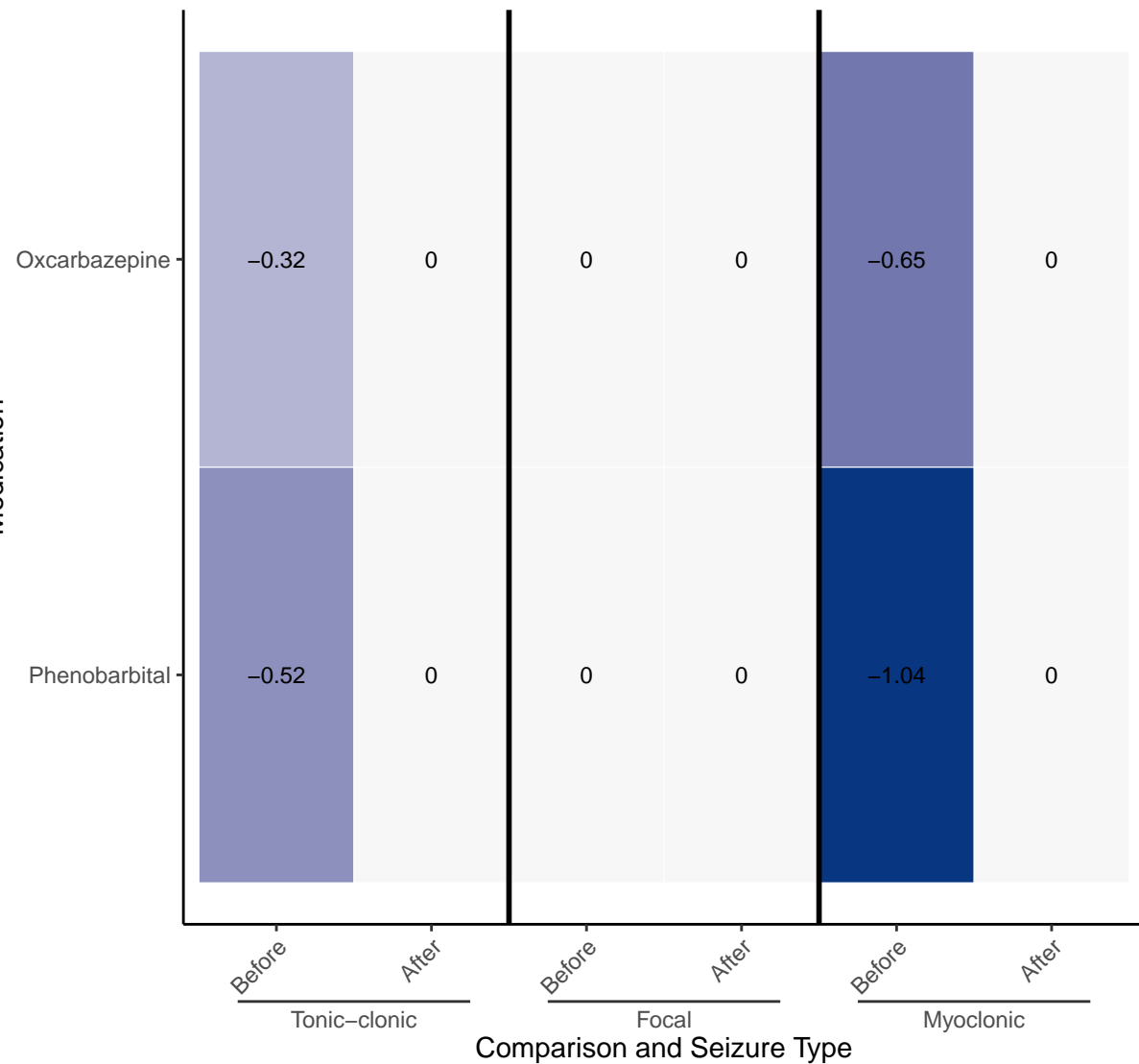
ce45fc4e-0416-4001-895c-6275a532d2e6 (Registry #1317) (p.Ala1809Glu)



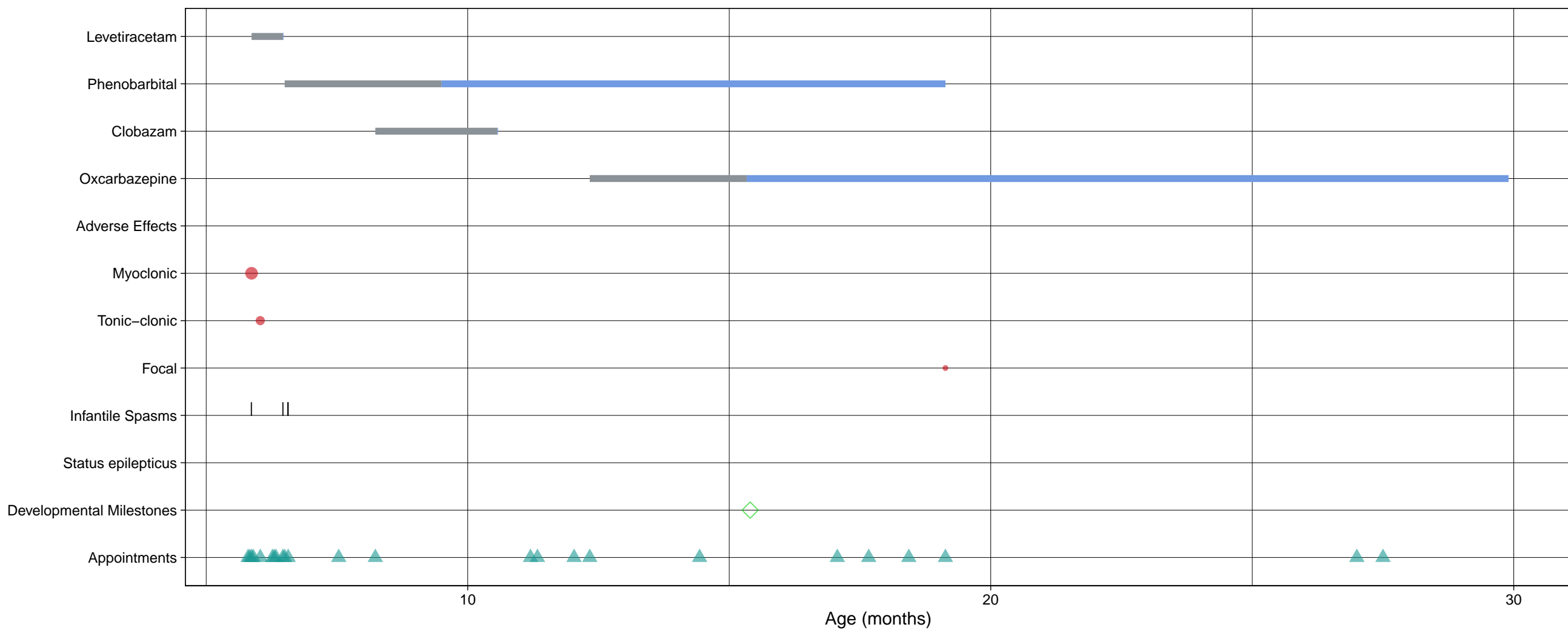
Seizure Index



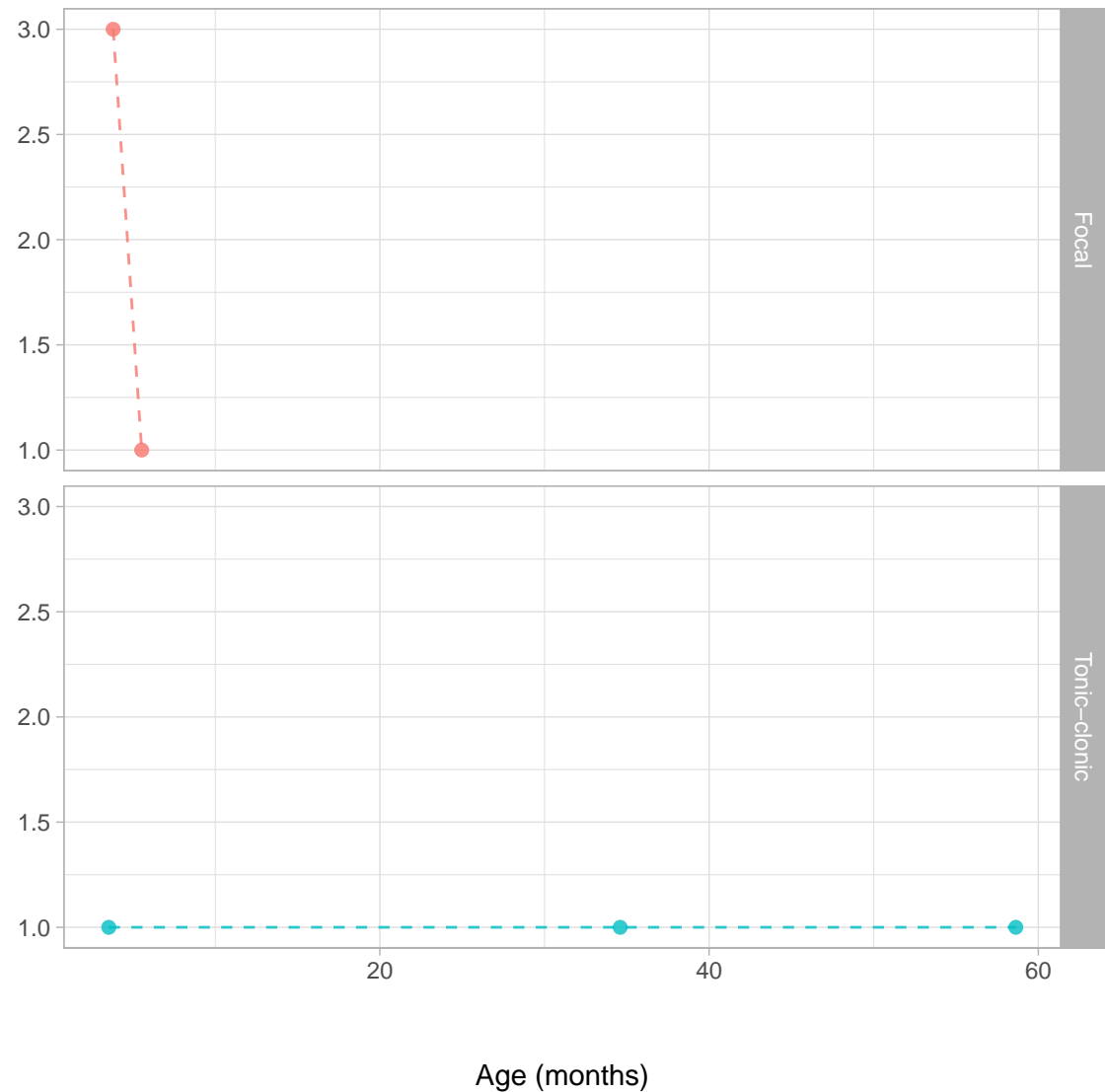
Medication



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



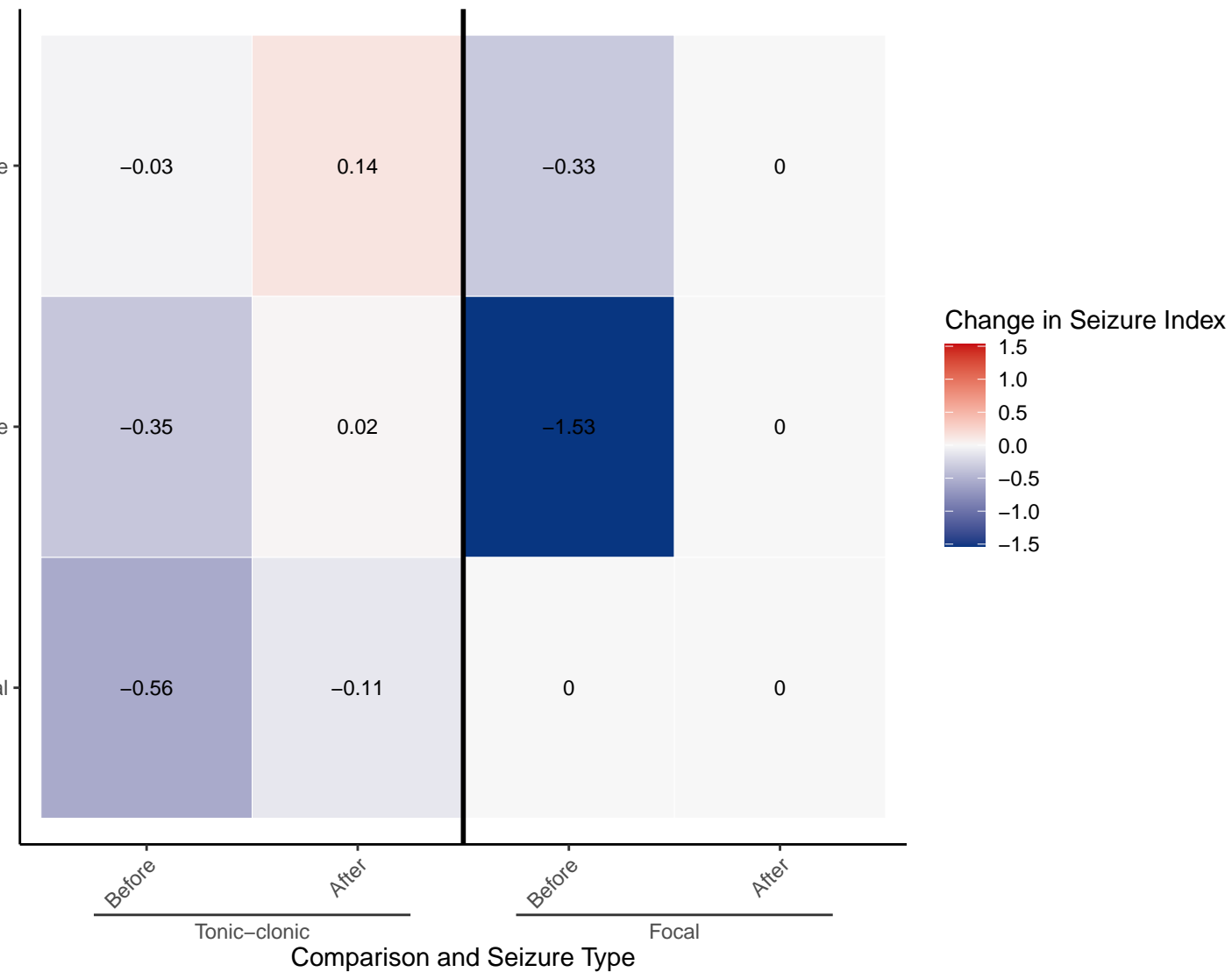
Seizure Index



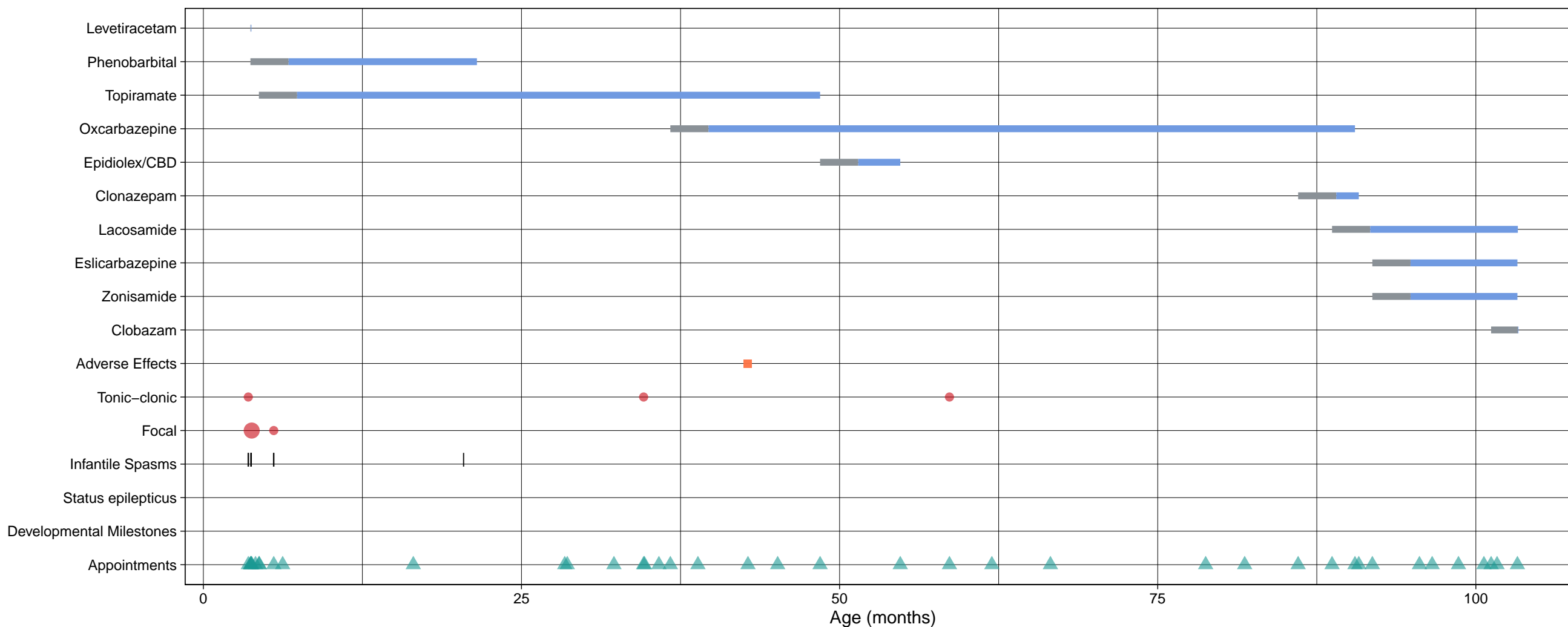
Medication

Oxcarbazepine
Topiramate
Phenobarbital

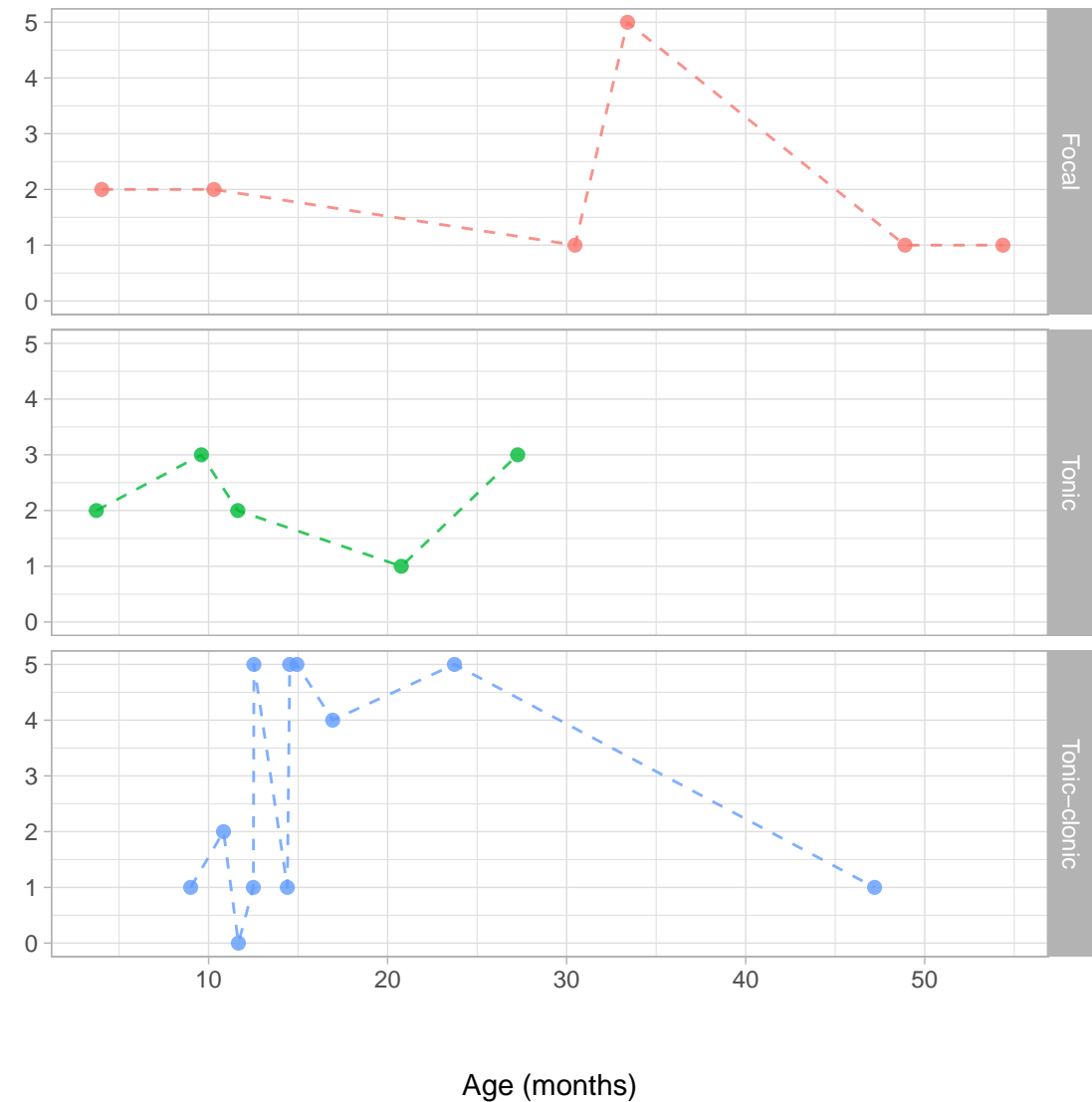
Seizure Index Comparisons



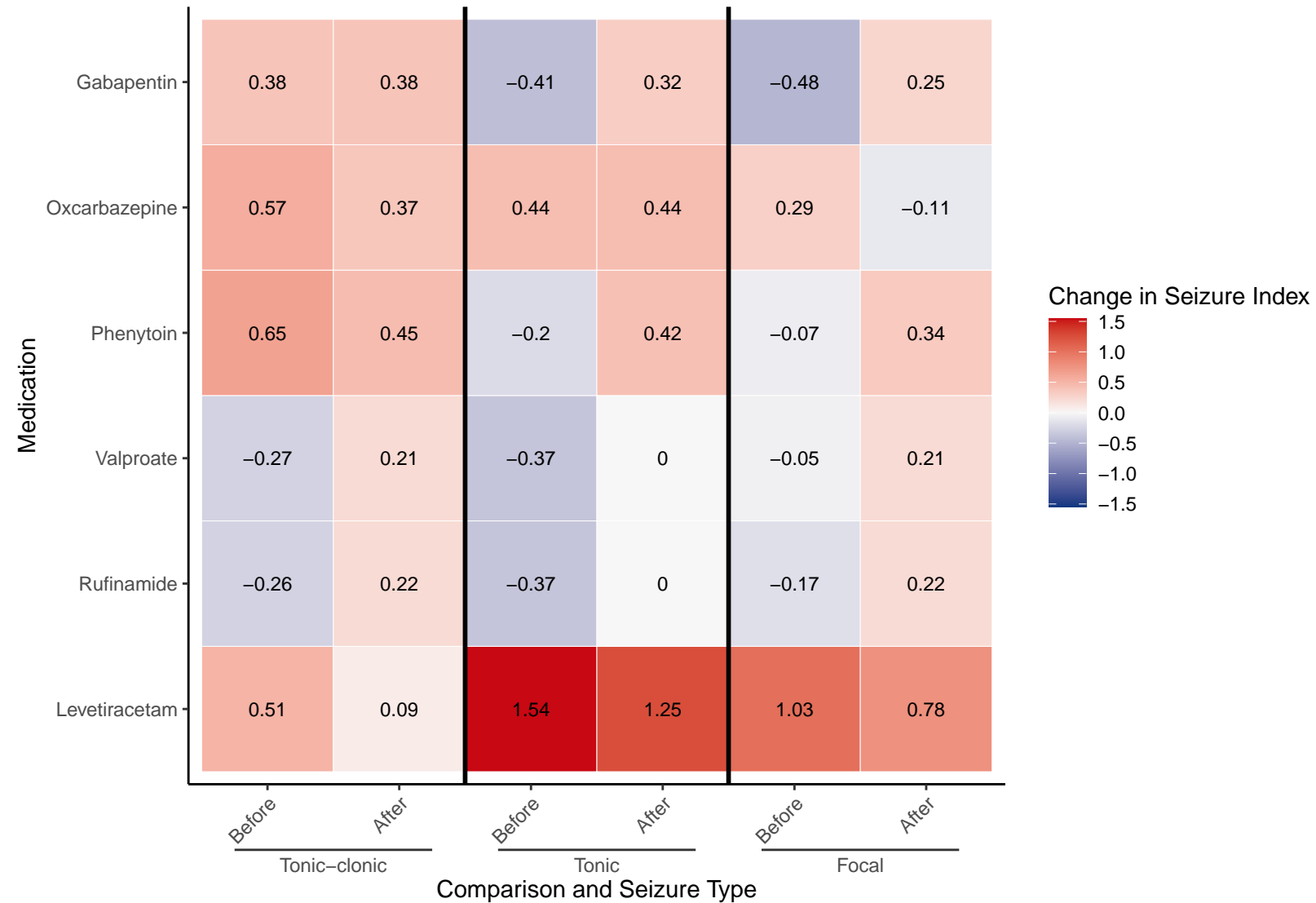
d04c1f7a-f357-47d5-8e41-4d535e49fa4a (Registry #13) (p.Thr1852Ile)



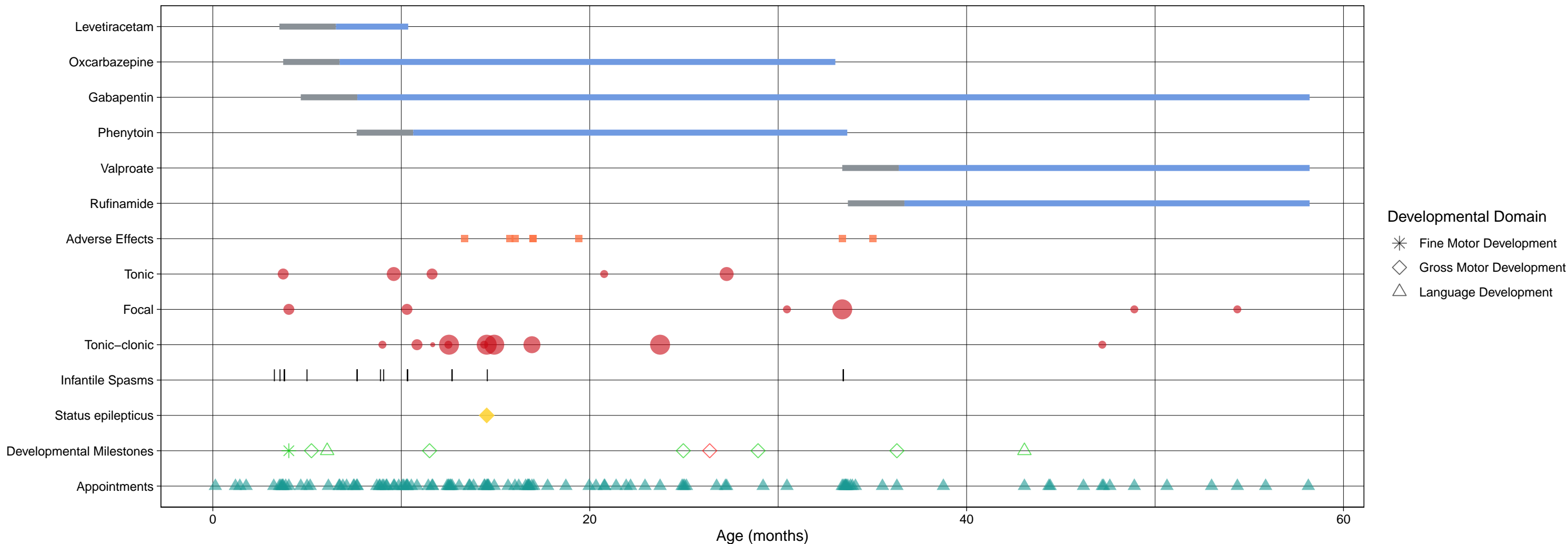
Seizure Index



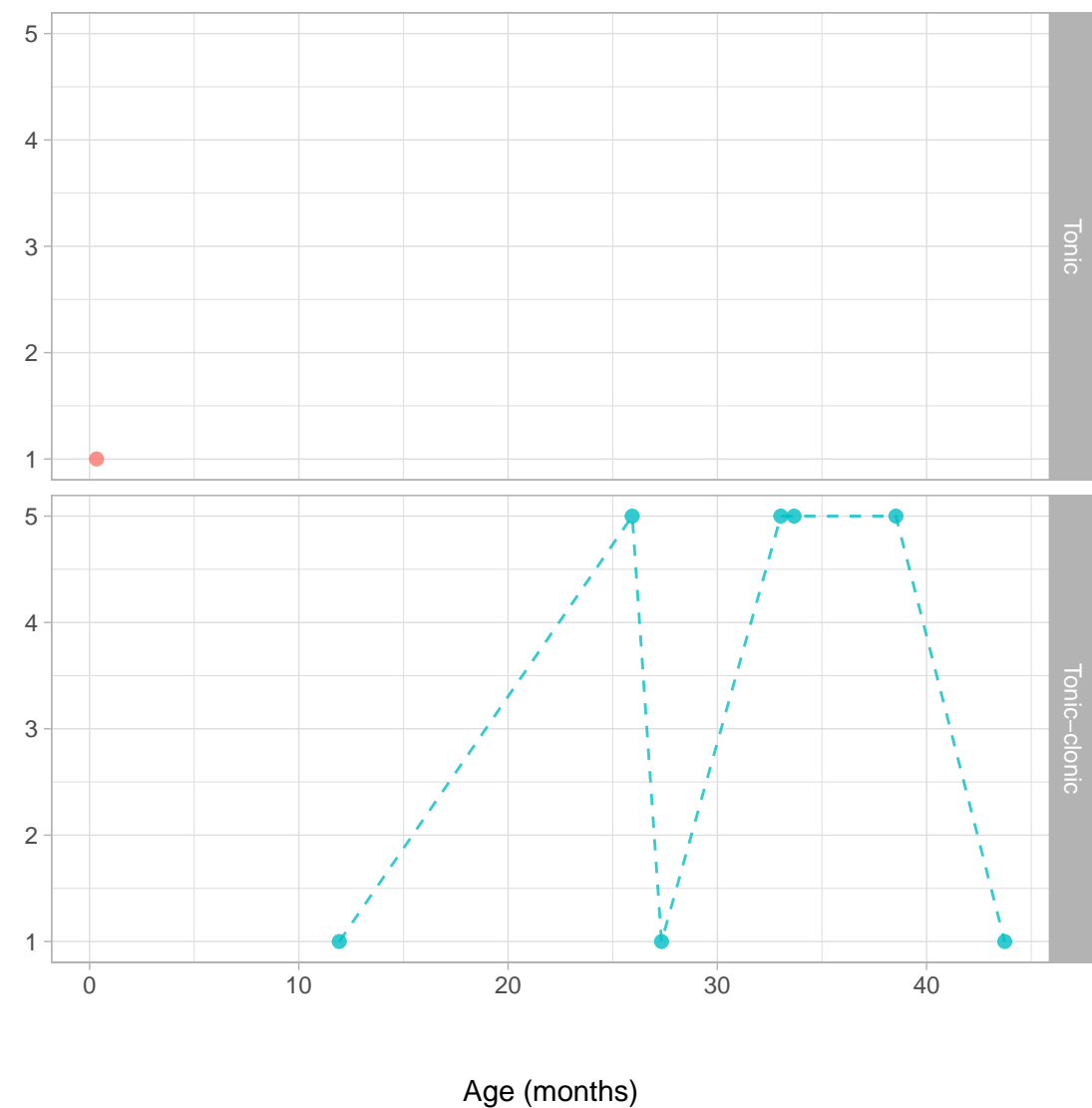
Seizure Index Comparisons



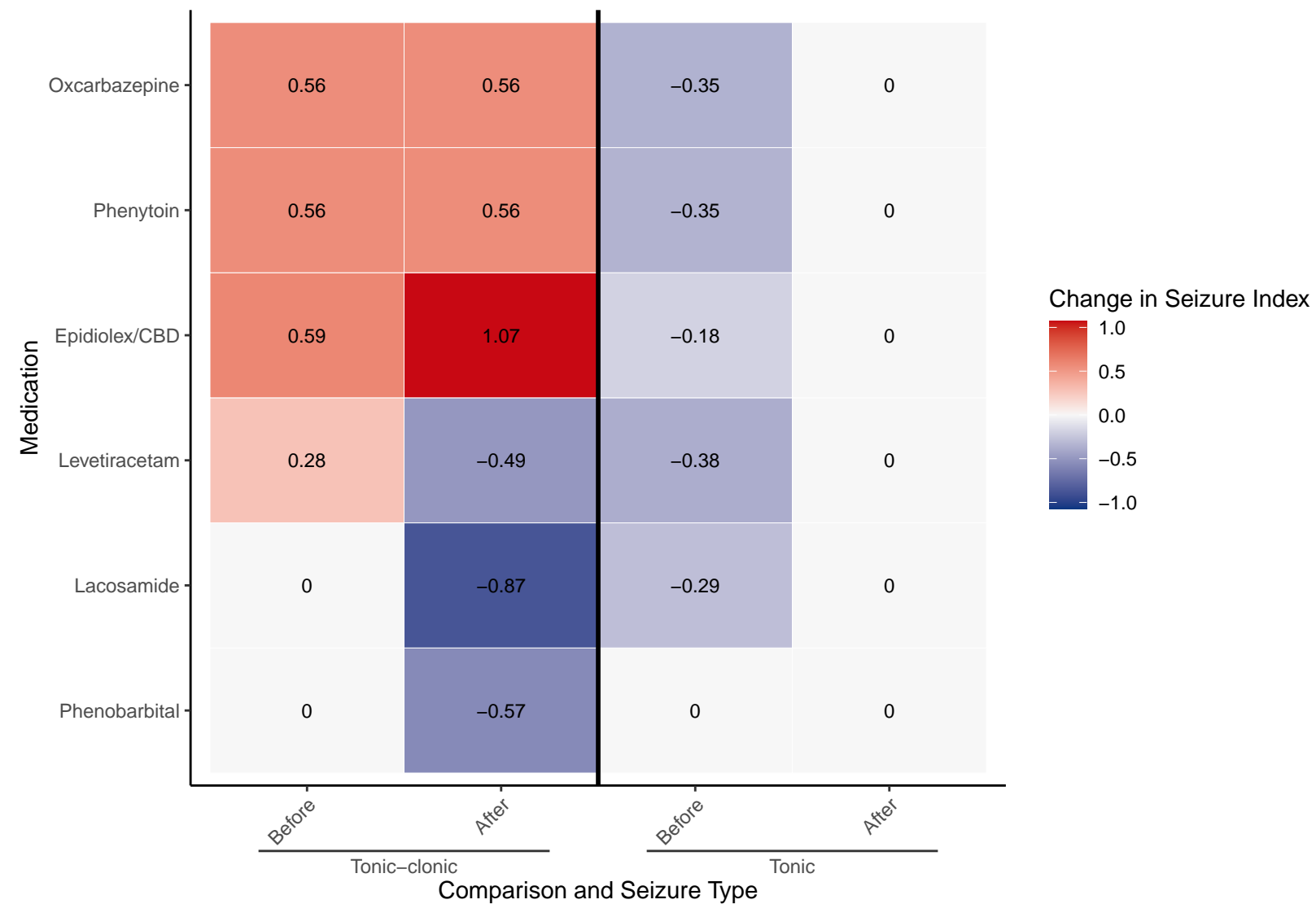
12a26181-f80d-4993-a2af-1e3019d4ec95 (Registry #282) (p.Arg1872Trp)



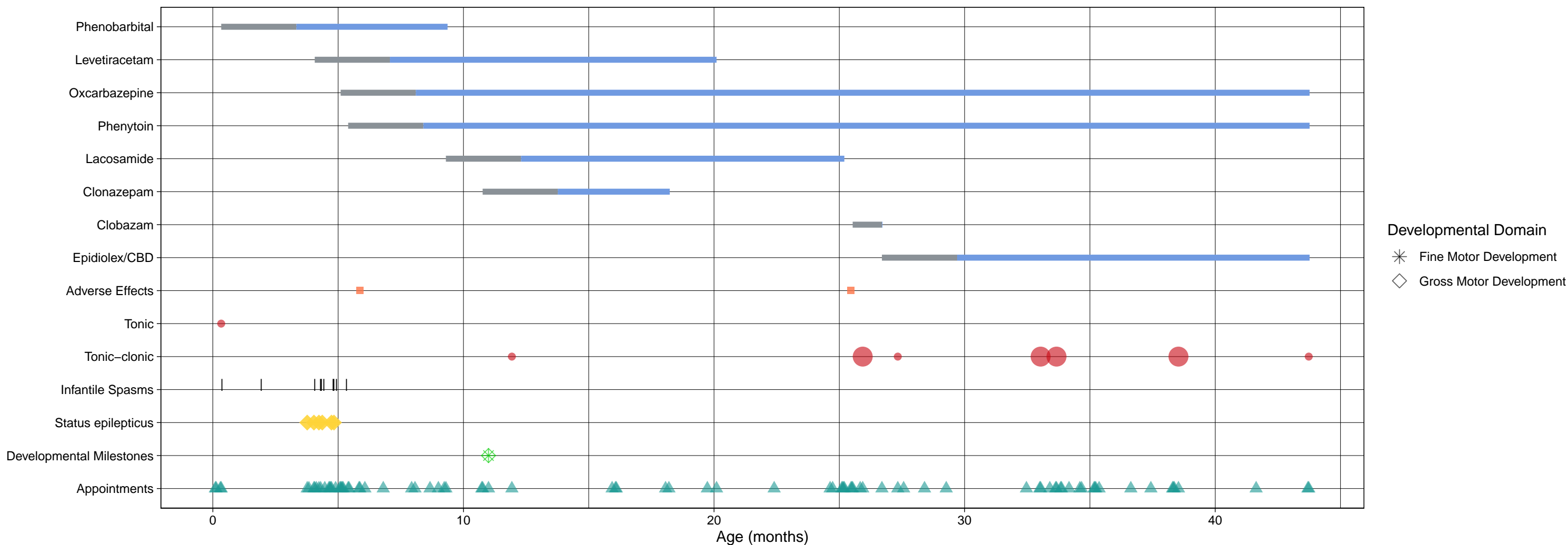
Seizure Index



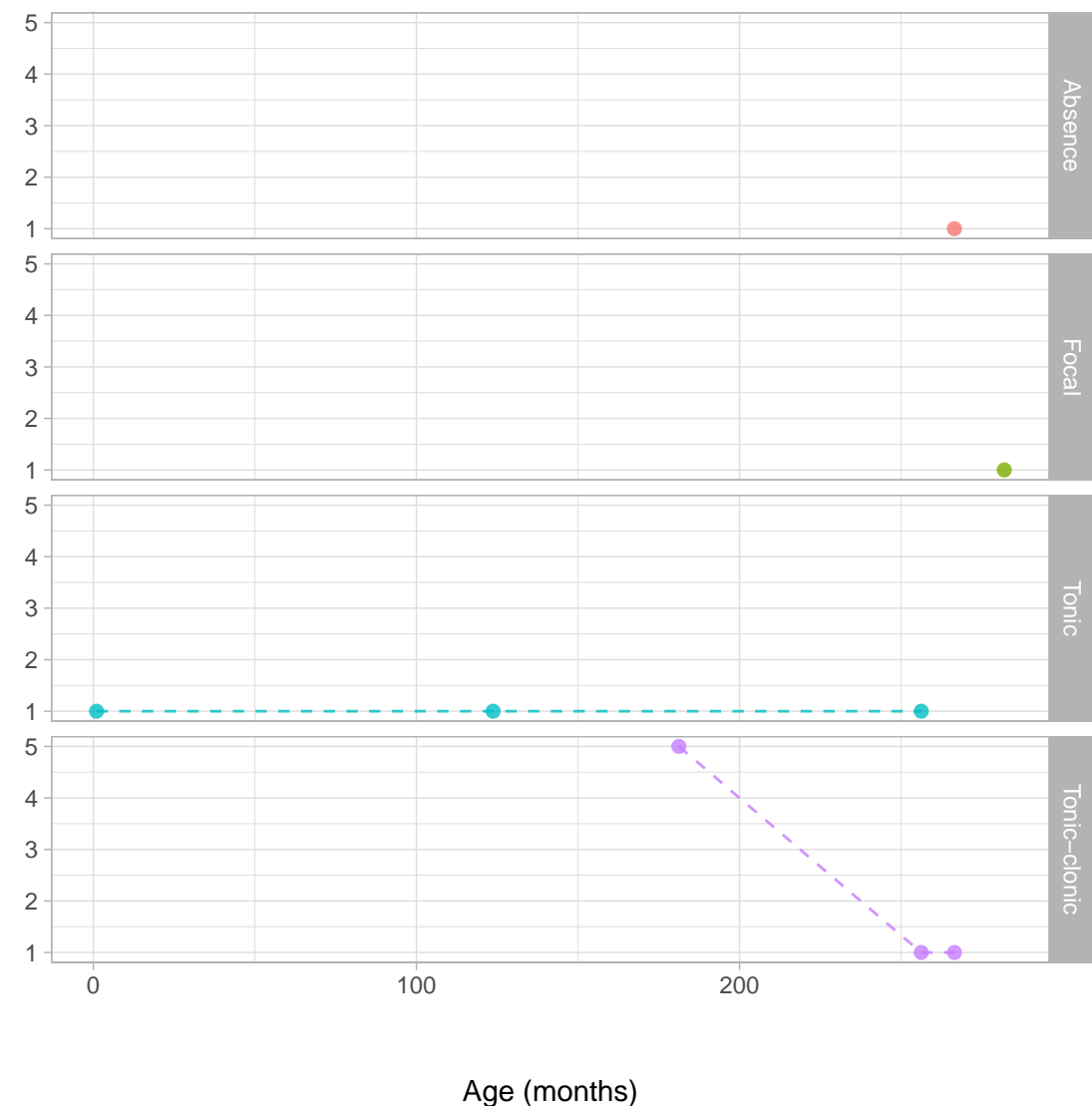
Seizure Index Comparisons



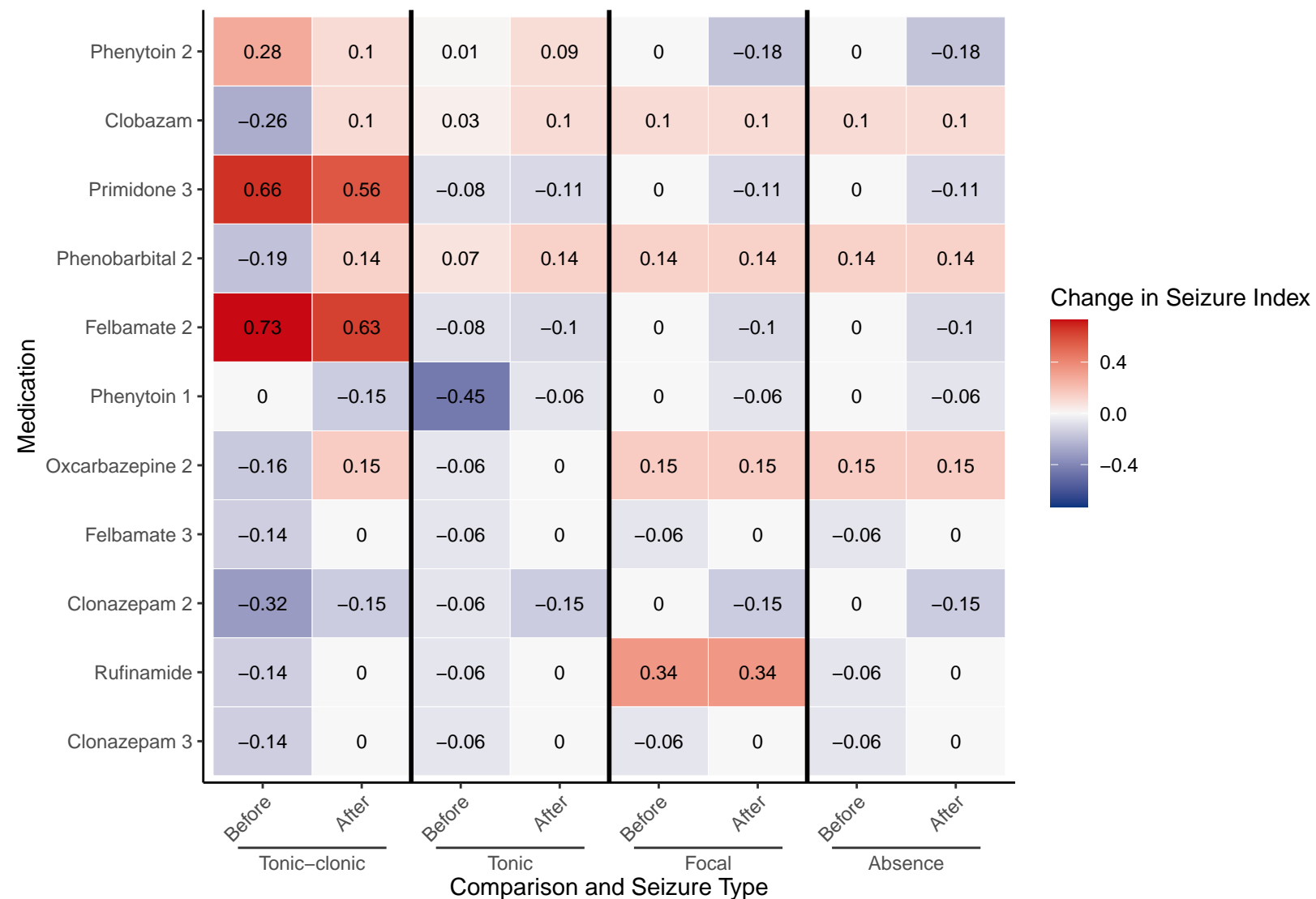
1f065541-31bc-43ce-88c4-584c8849bc11 (Registry #203) (p.Arg1872Trp)



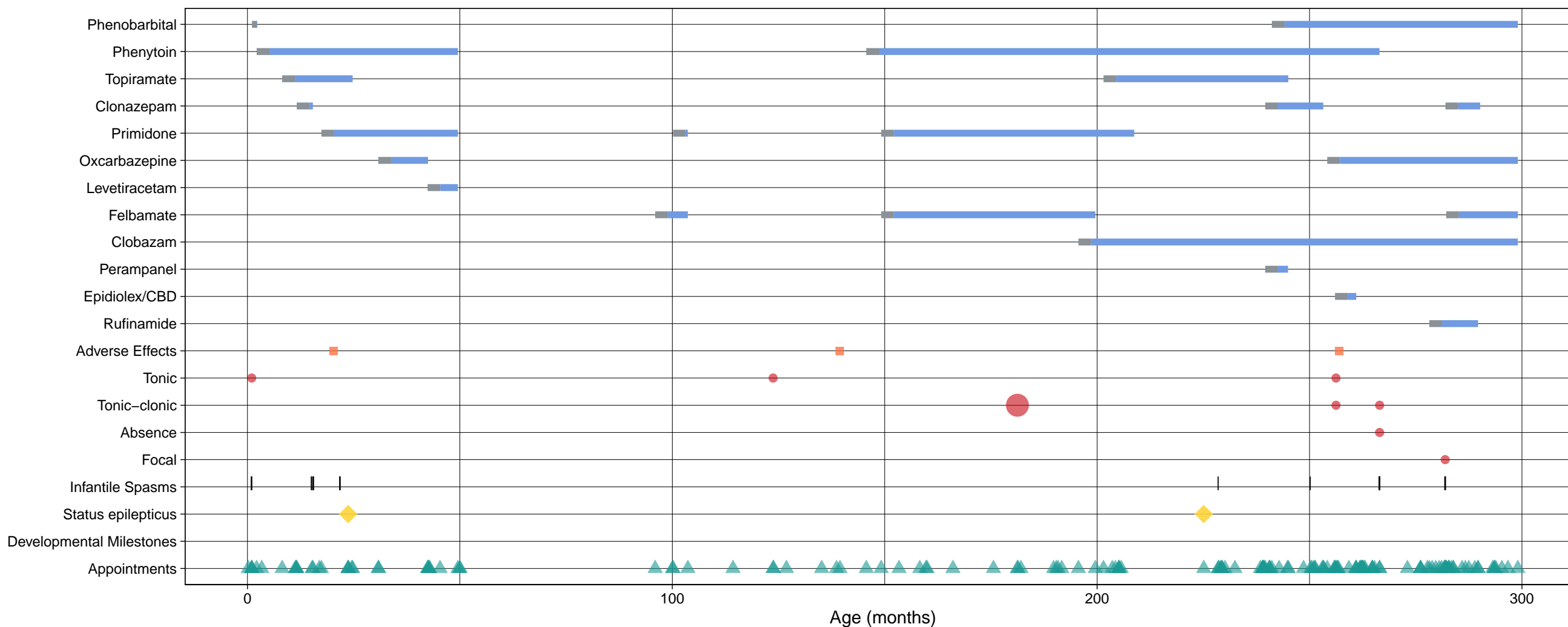
Seizure Index



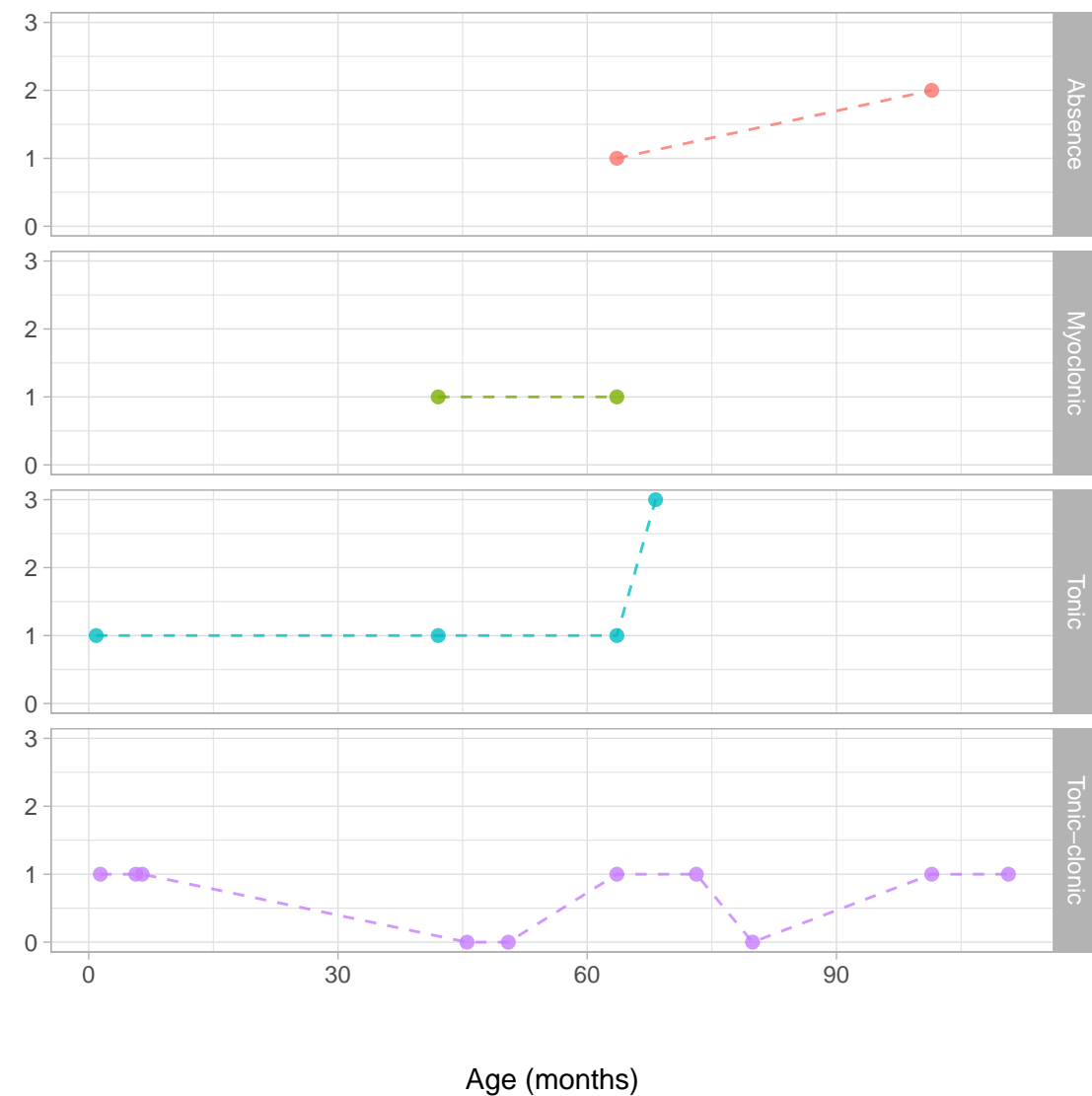
Seizure Index Comparisons



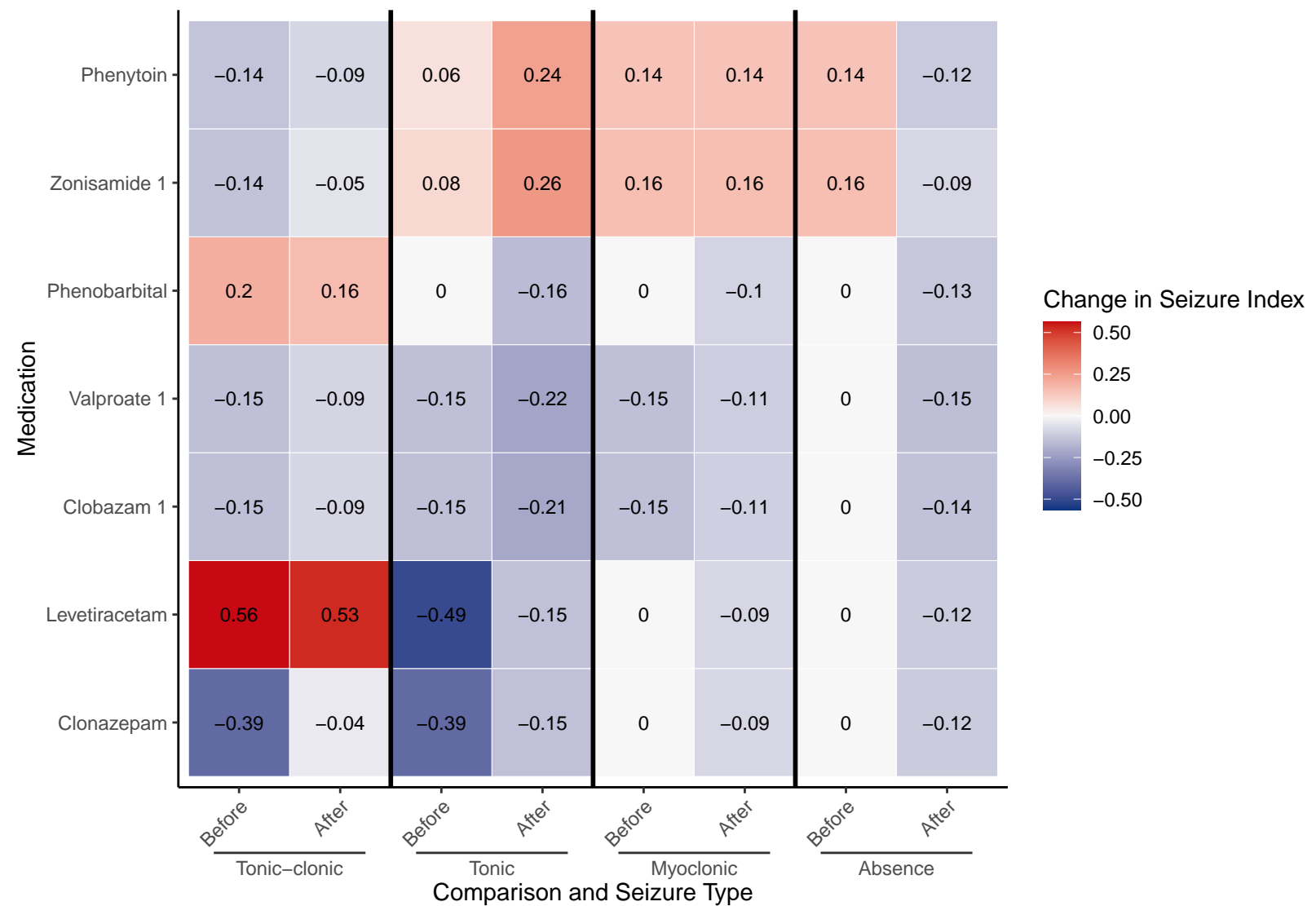
47815af9-7429-4c05-a21c-ad373b1103c7 (Registry #137) (p.Arg1872Leu)



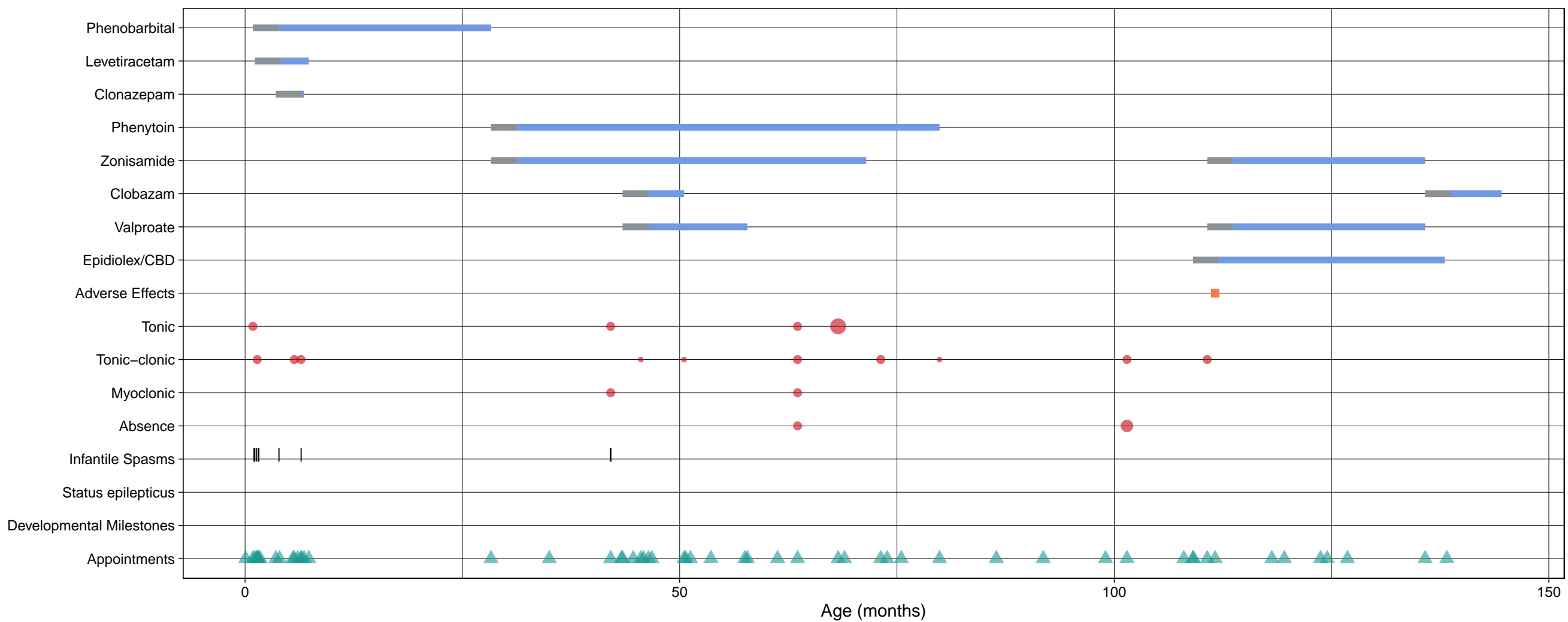
Seizure Index



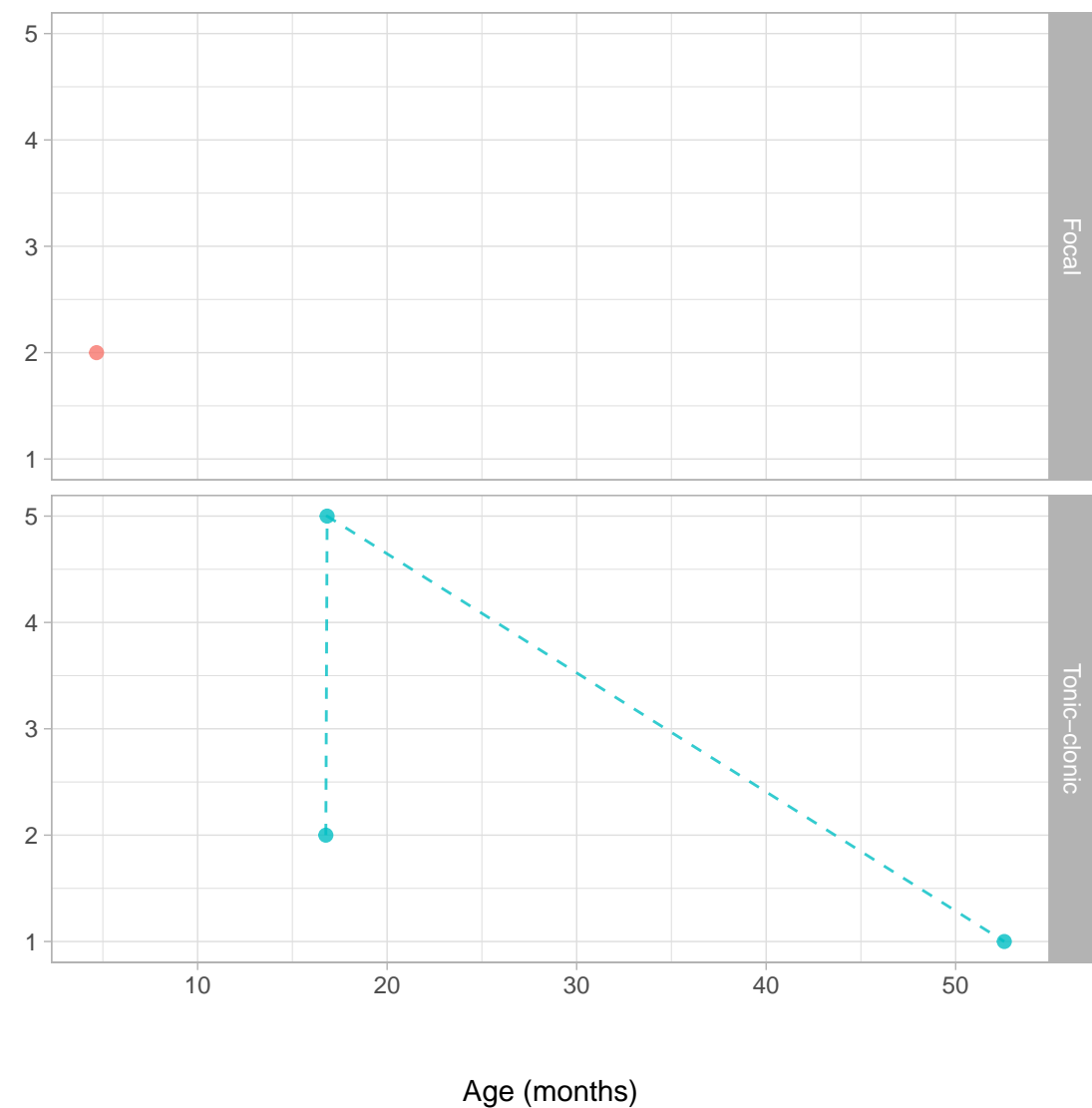
Seizure Index Comparisons



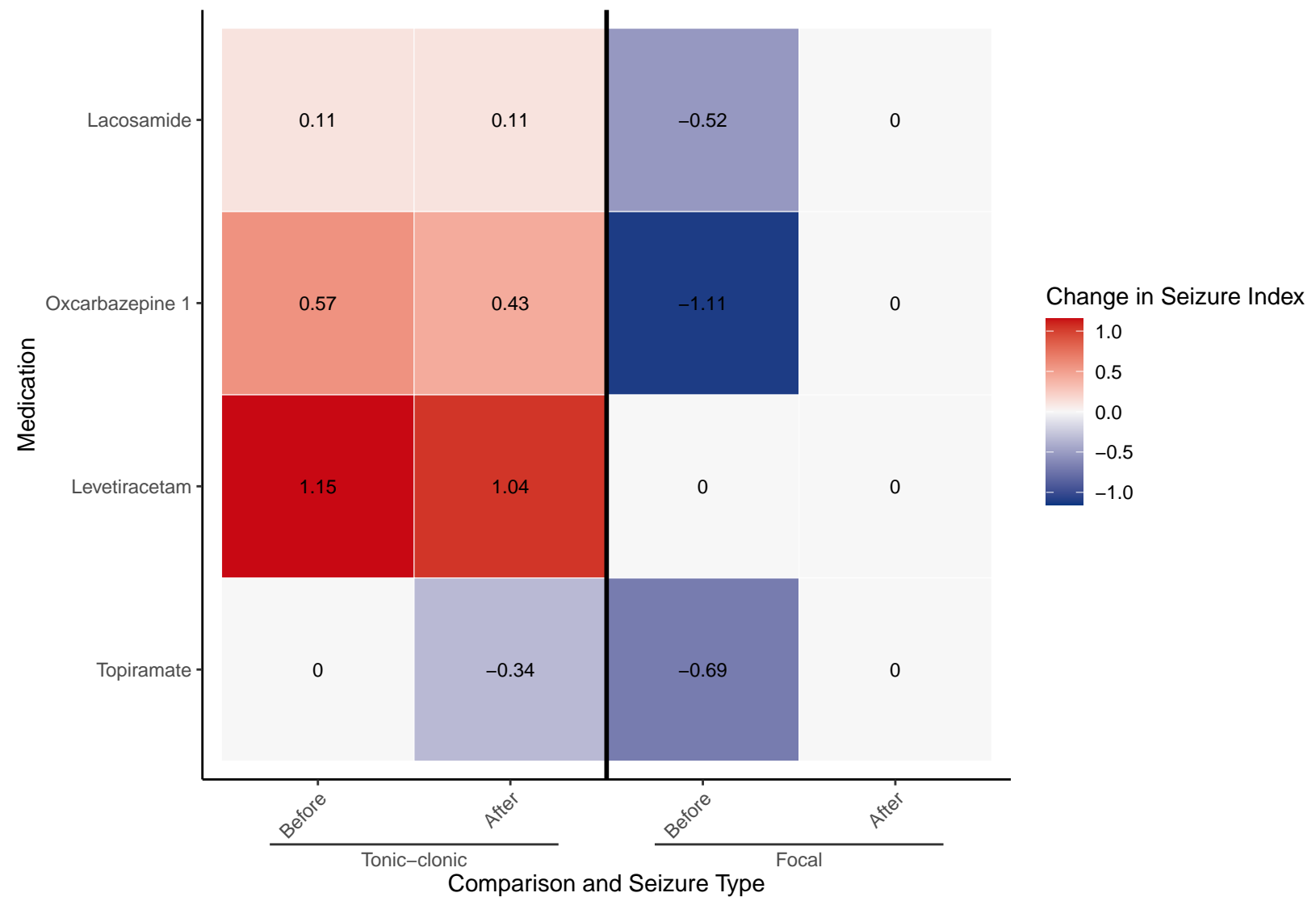
8aedcfd3-8076-42b8-8037-6cf999b1c80e (Registry #18) (p.Arg1872Trp)



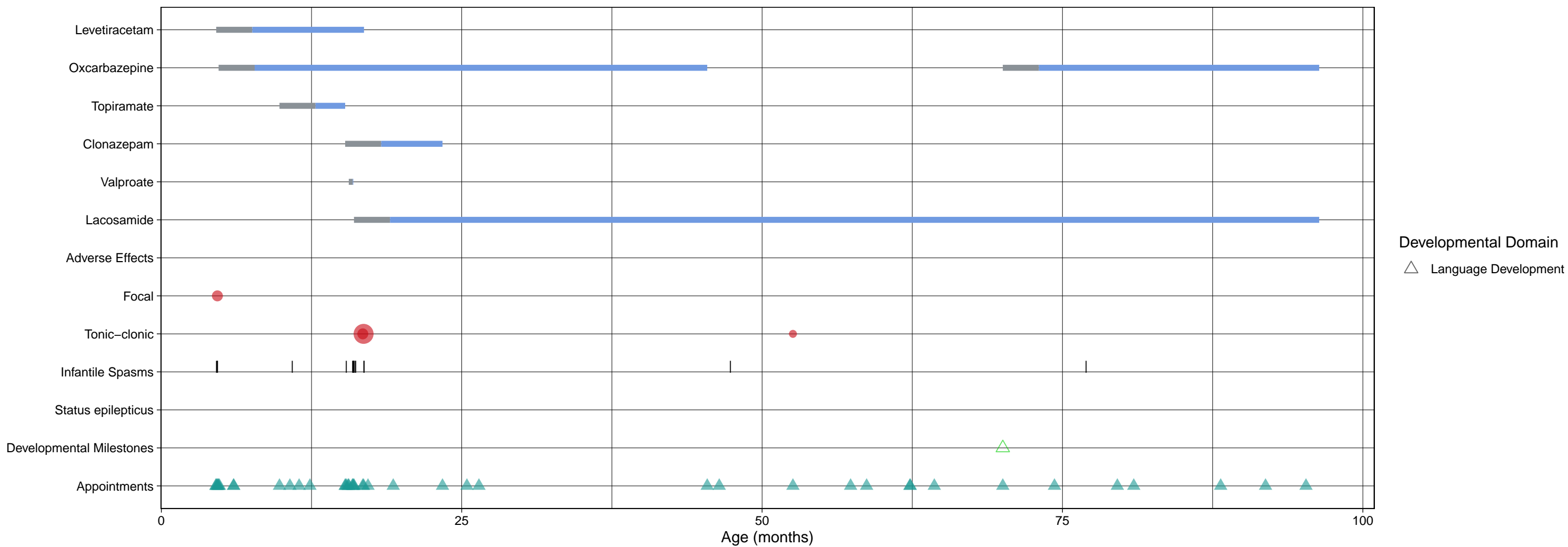
Seizure Index



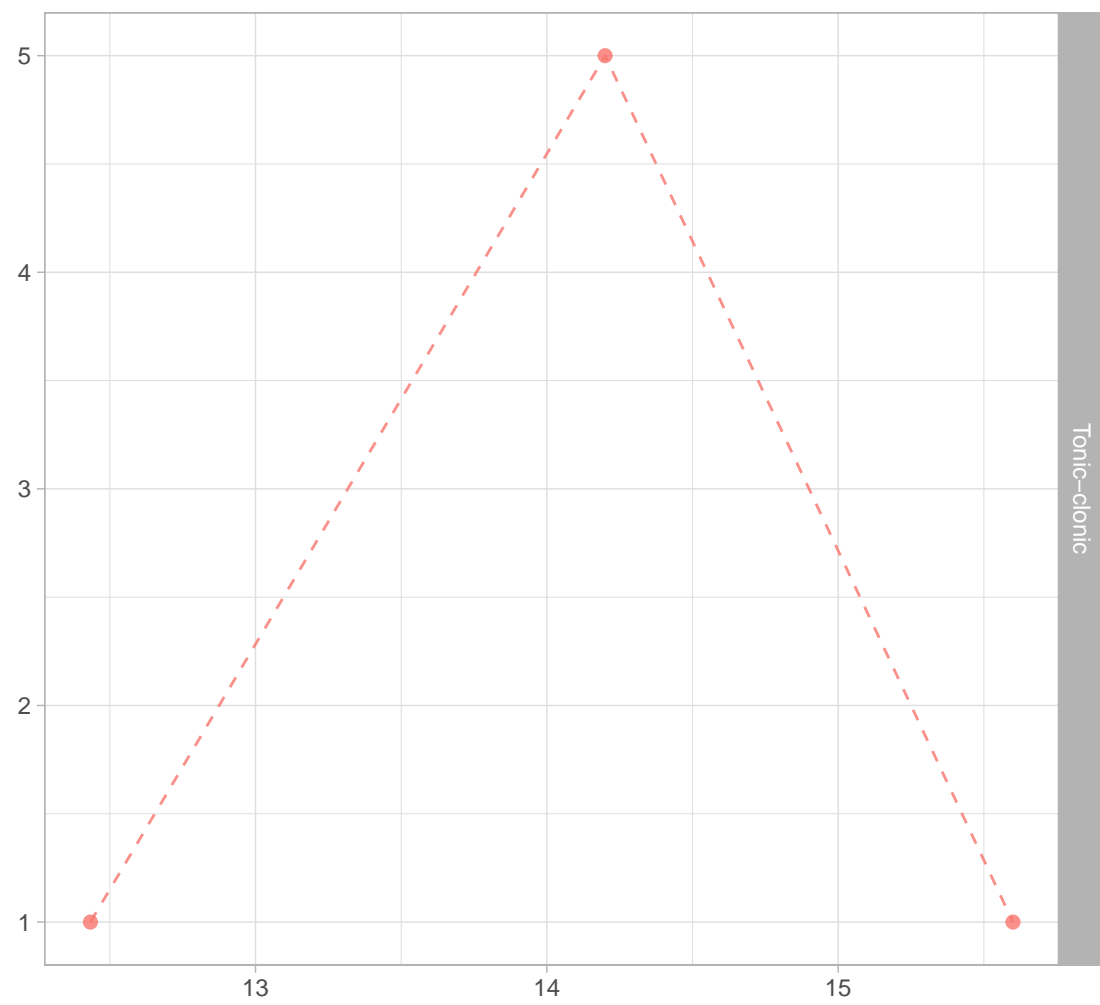
Seizure Index Comparisons



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

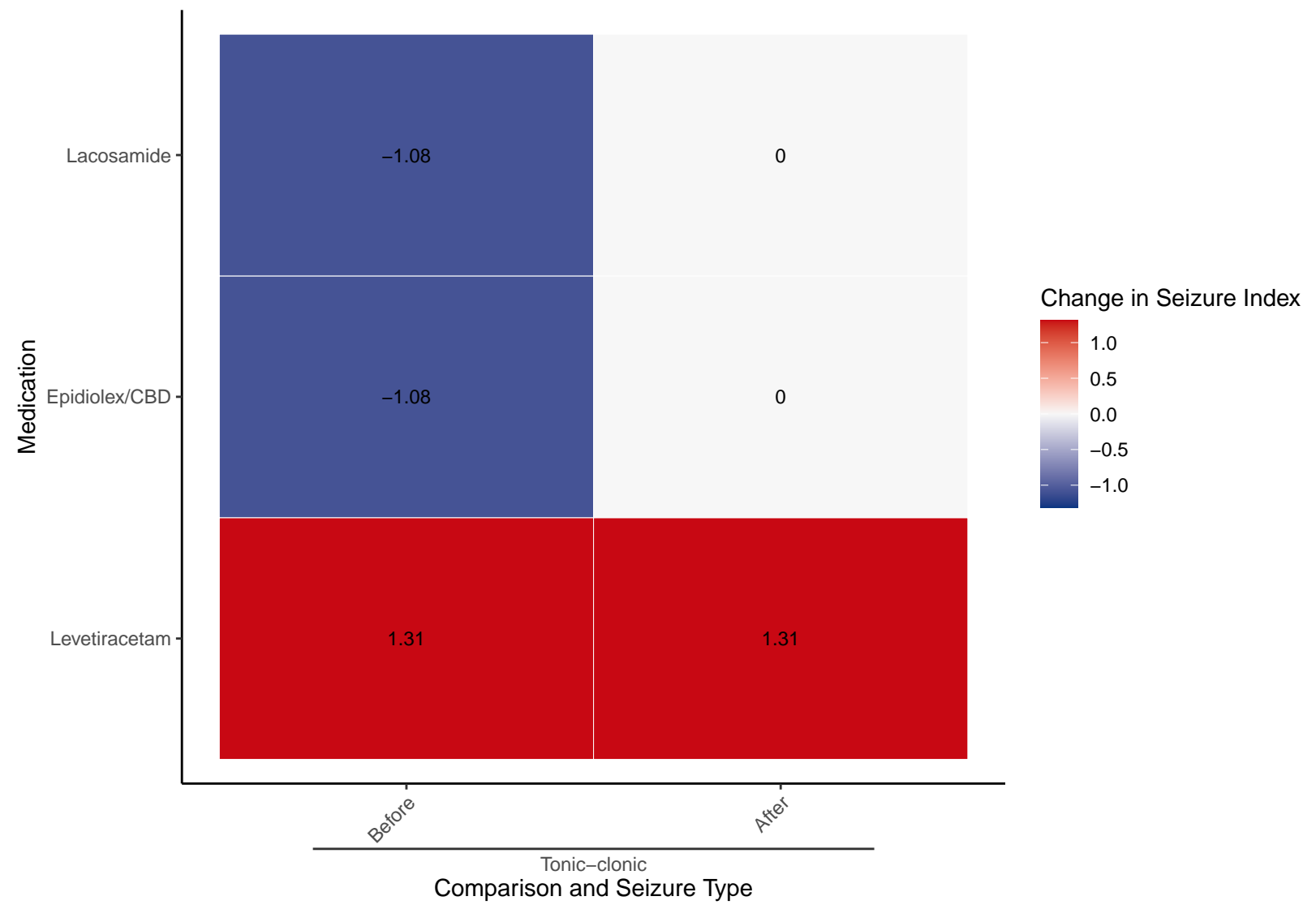


Seizure Index

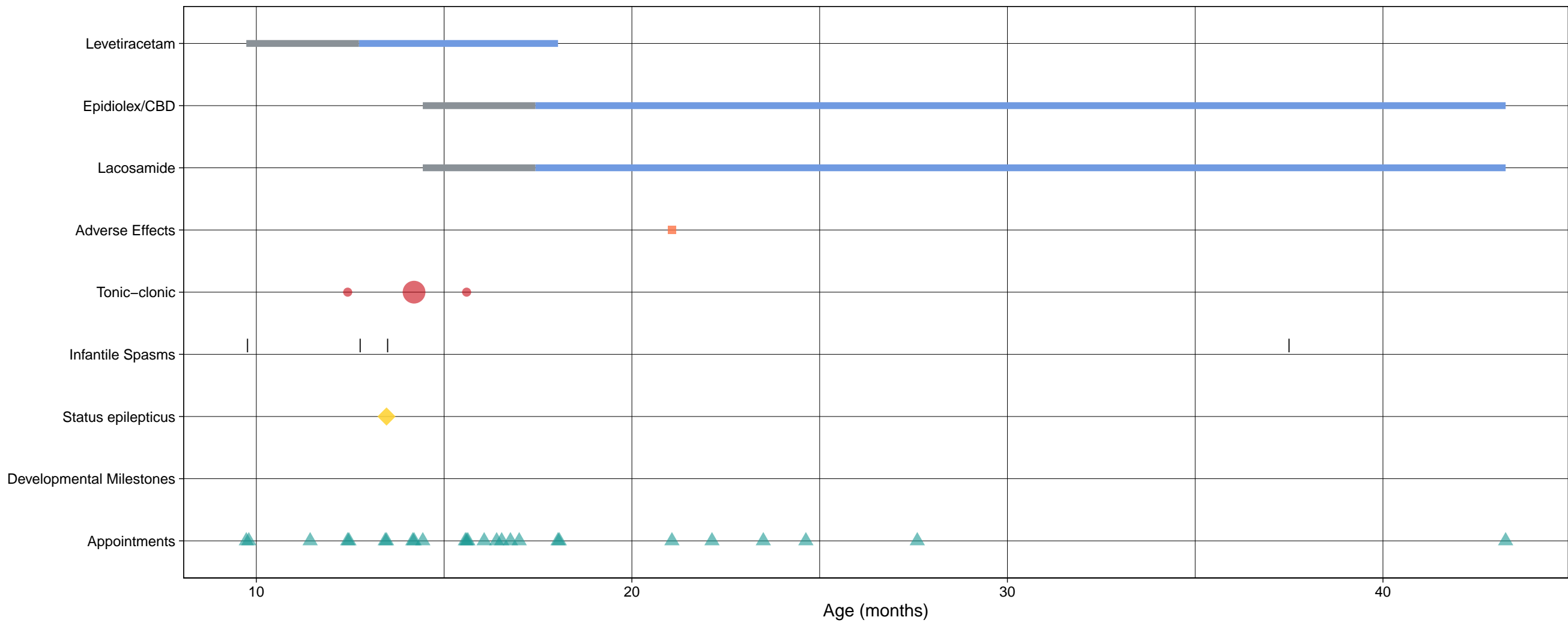


Age (months)

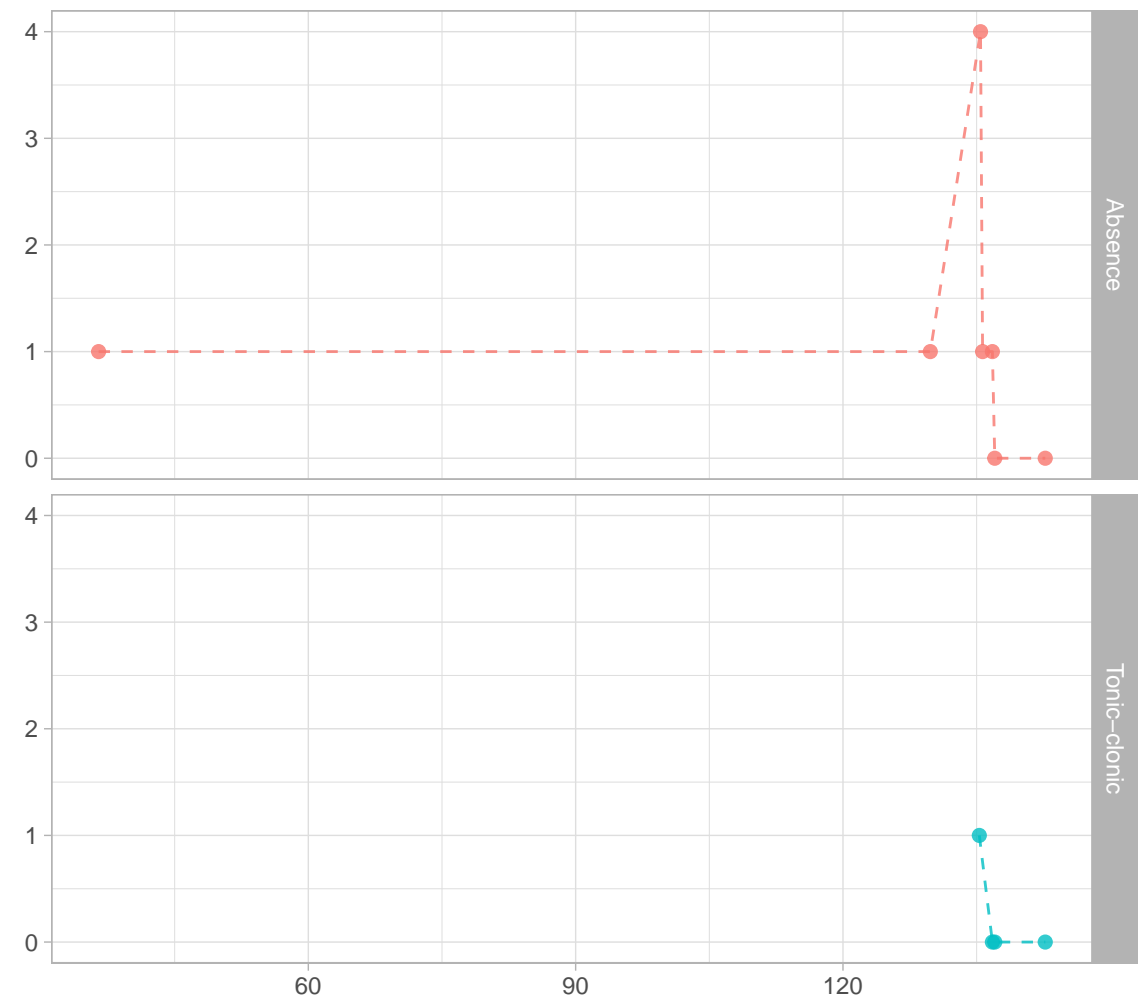
Seizure Index Comparisons



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



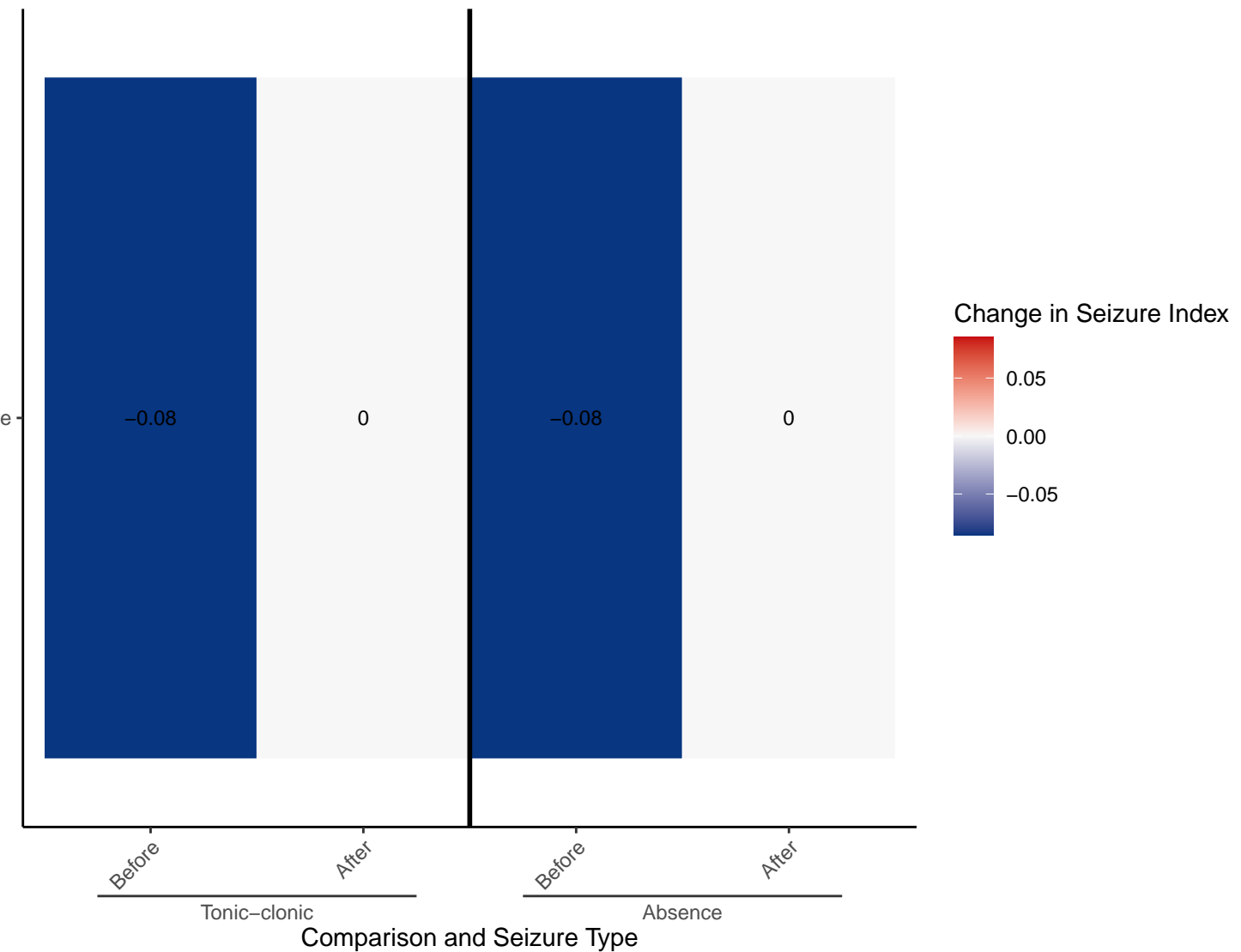
Seizure Index



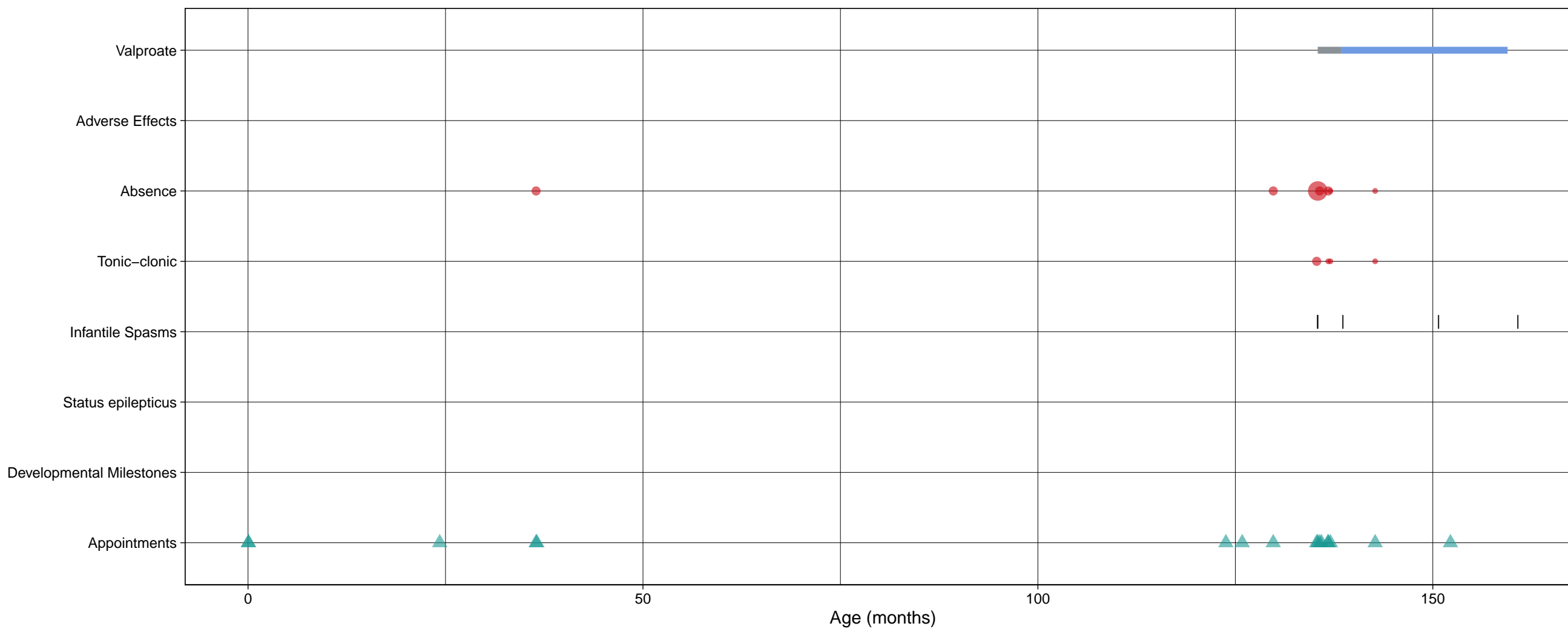
Medication

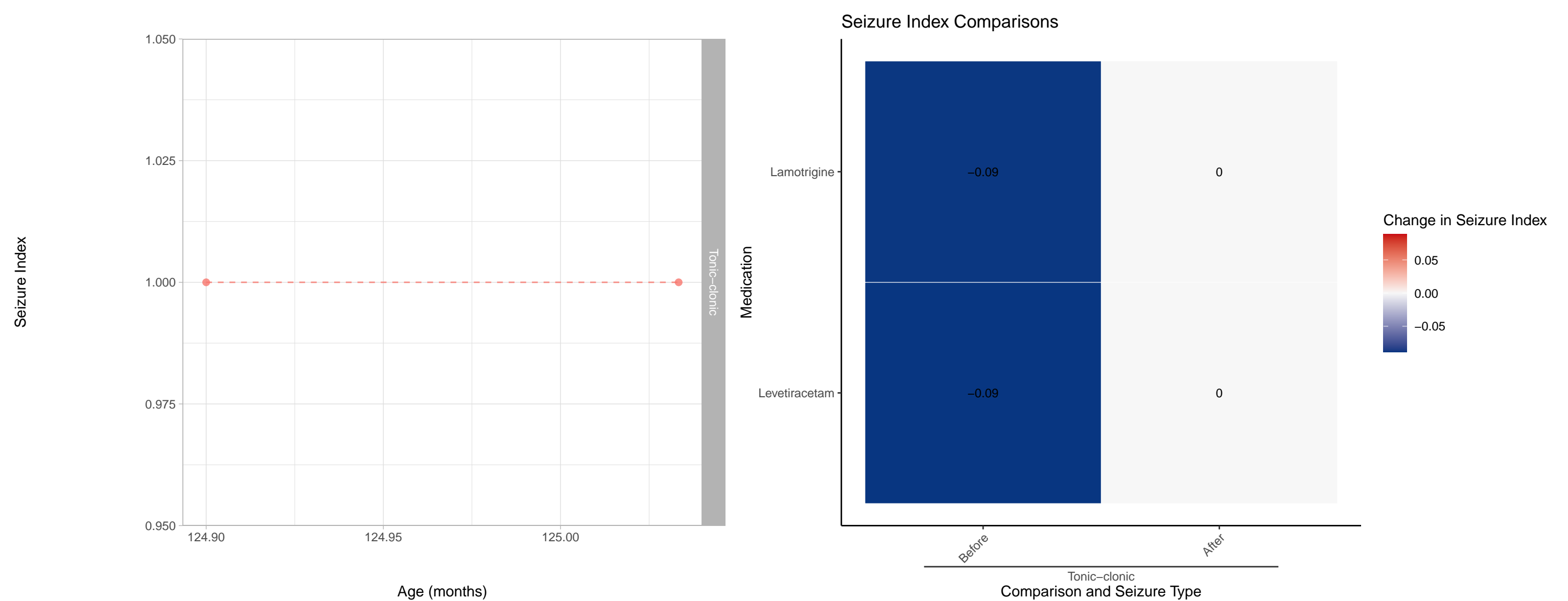
Valproate

Seizure Index Comparisons

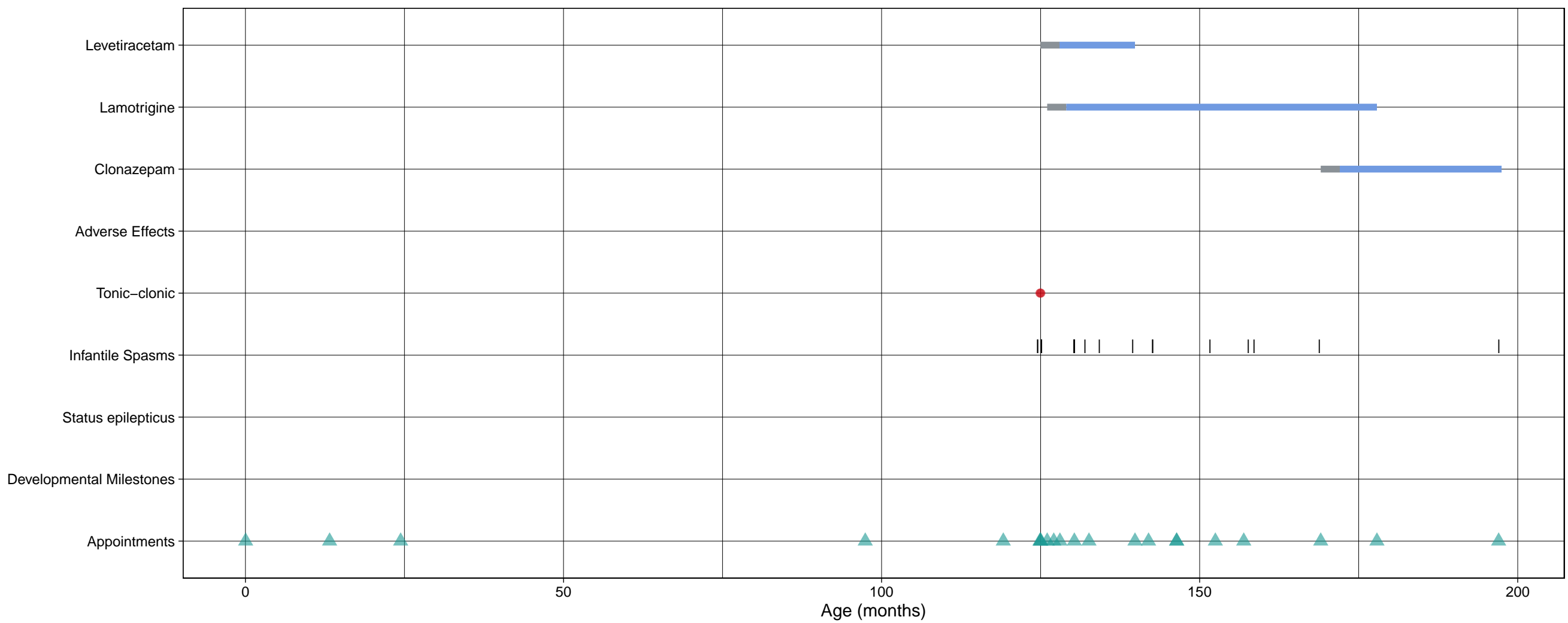


84bad343-f2e0-4ec6-8f19-9d8f22c2d97e (Registry #368) (p.Thr1921Ala)

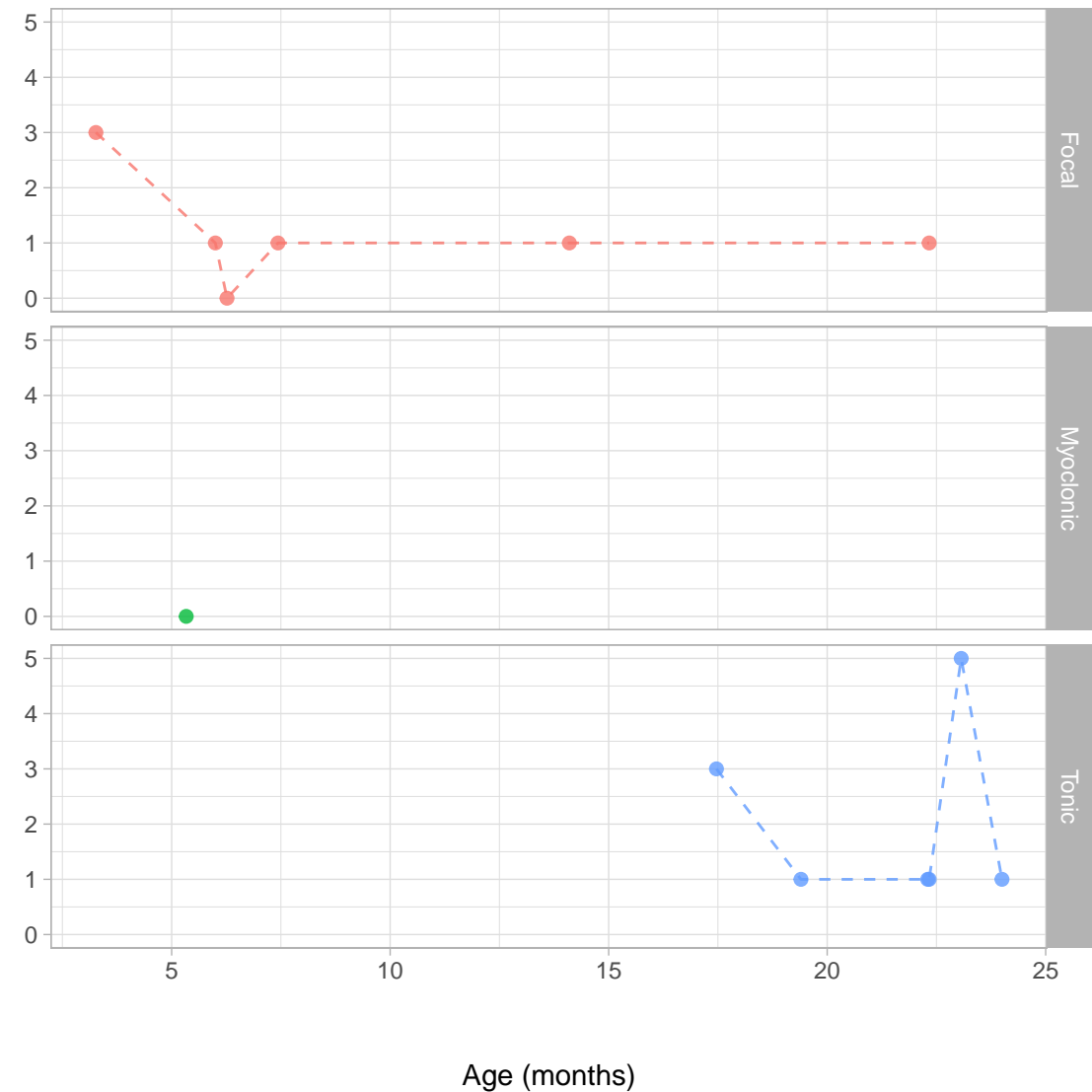




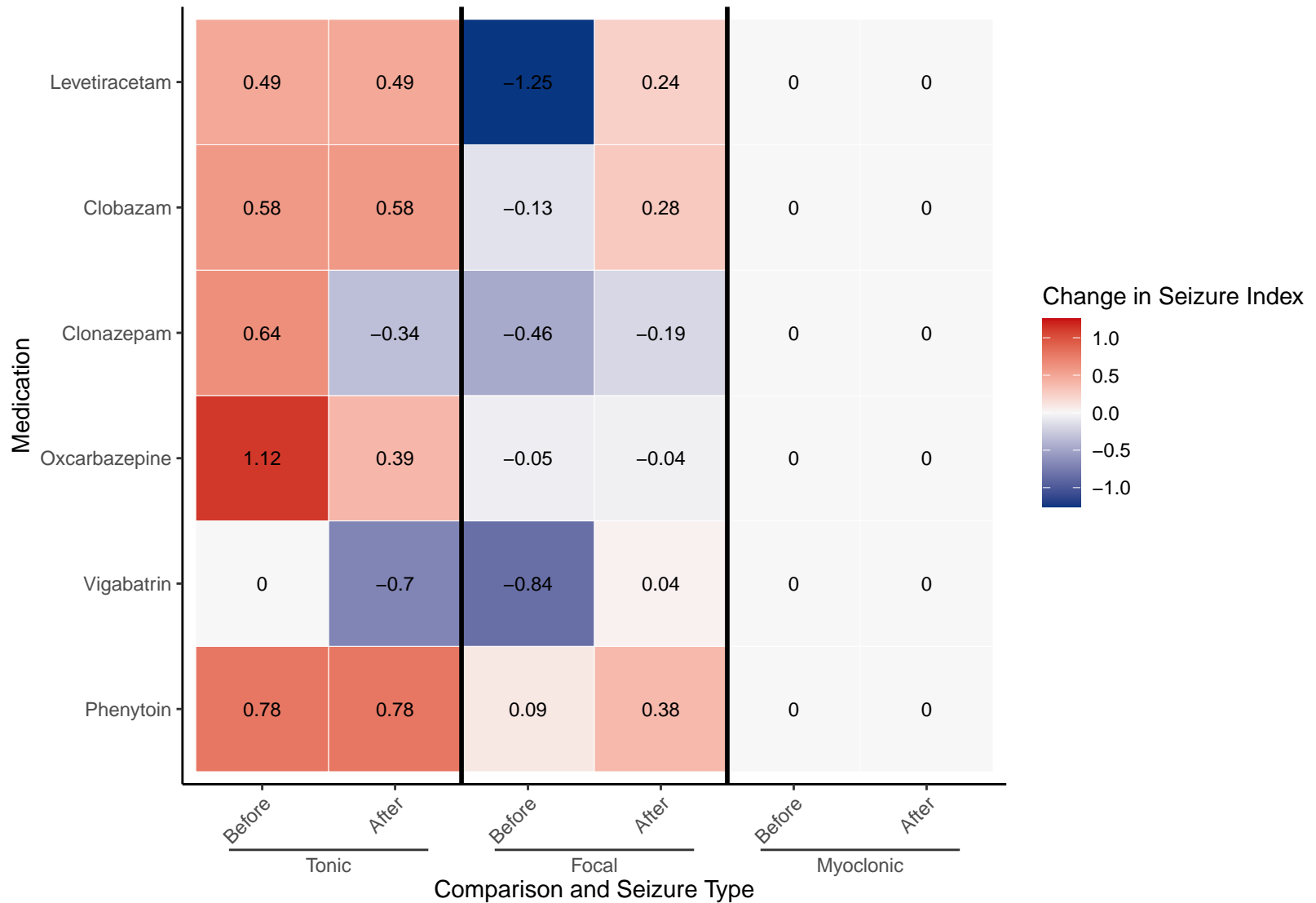
9f18be70-eaa0-46a3-9aaa-ee705216cb41 (p.Met139Ile)



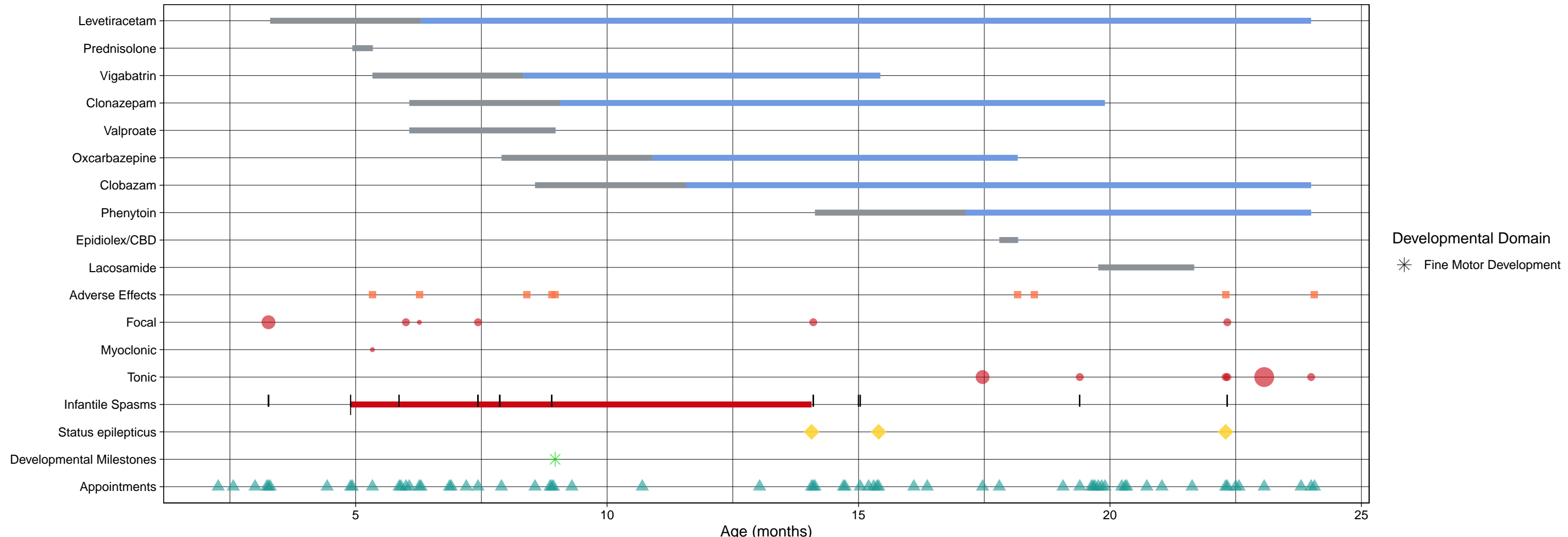
Seizure Index

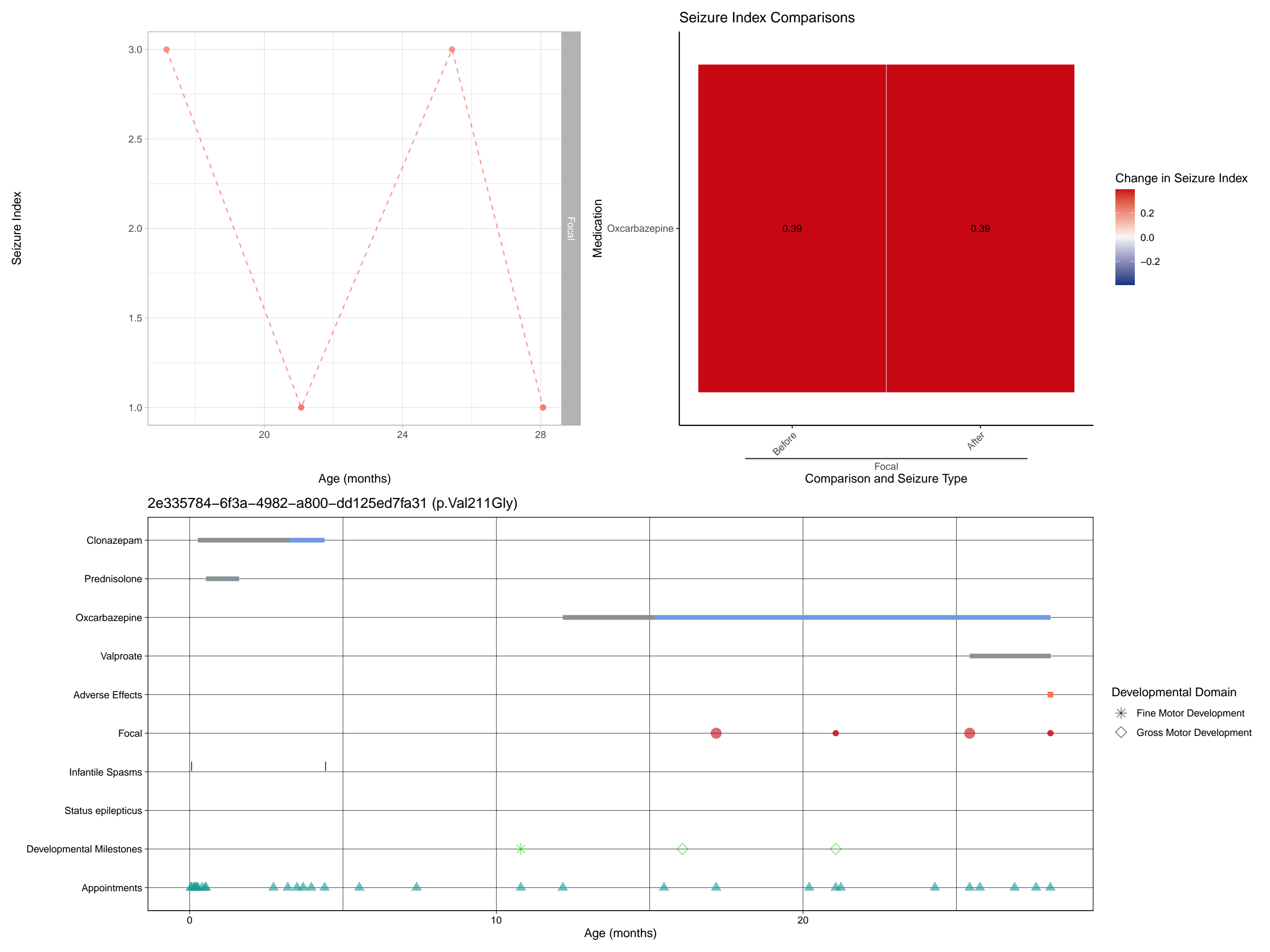


Seizure Index Comparisons

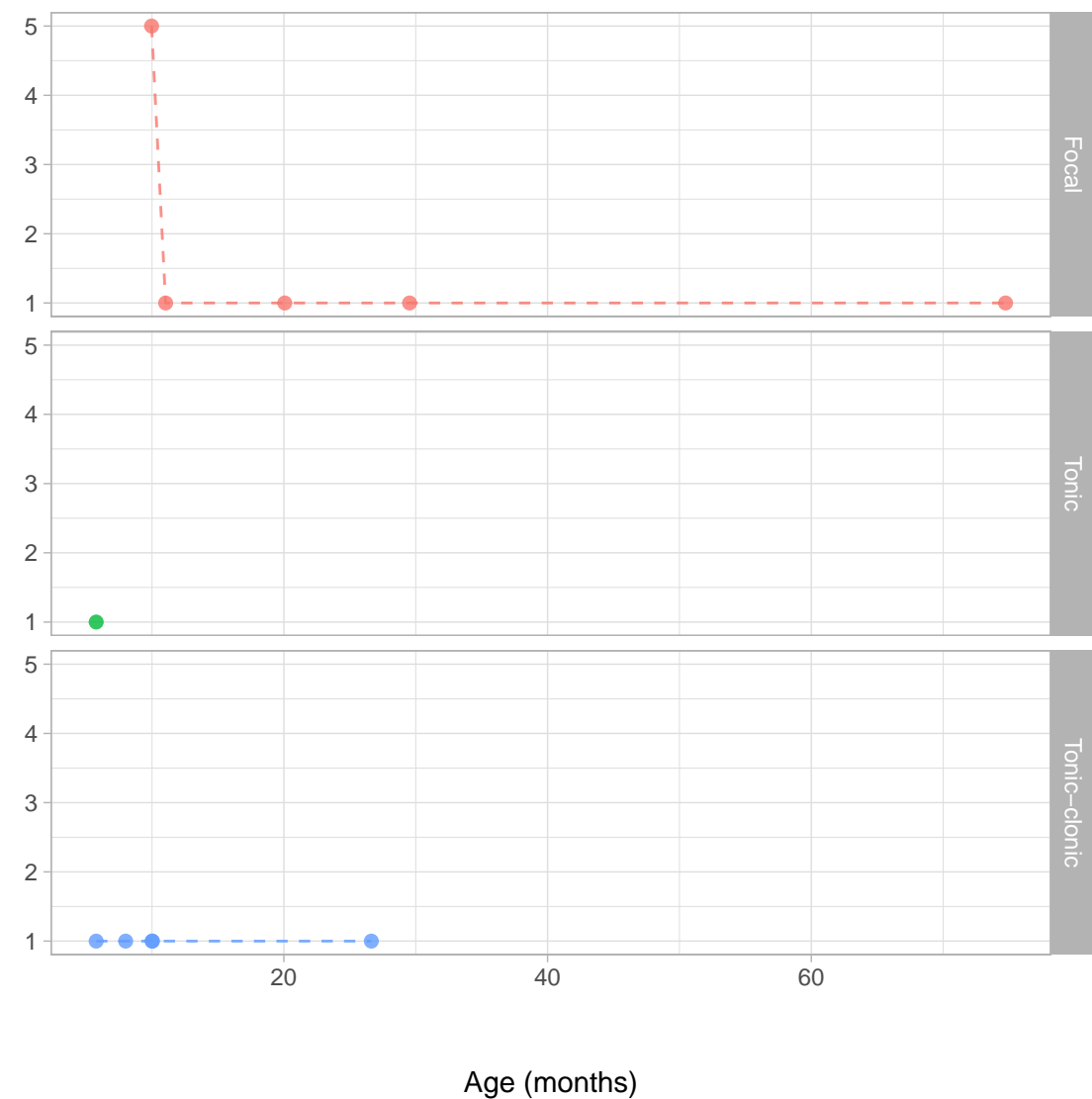


9d63ed35–ec7c–4ea1–ba03–fcfdfdf0ee55 (p.Ser217Pro) – IF

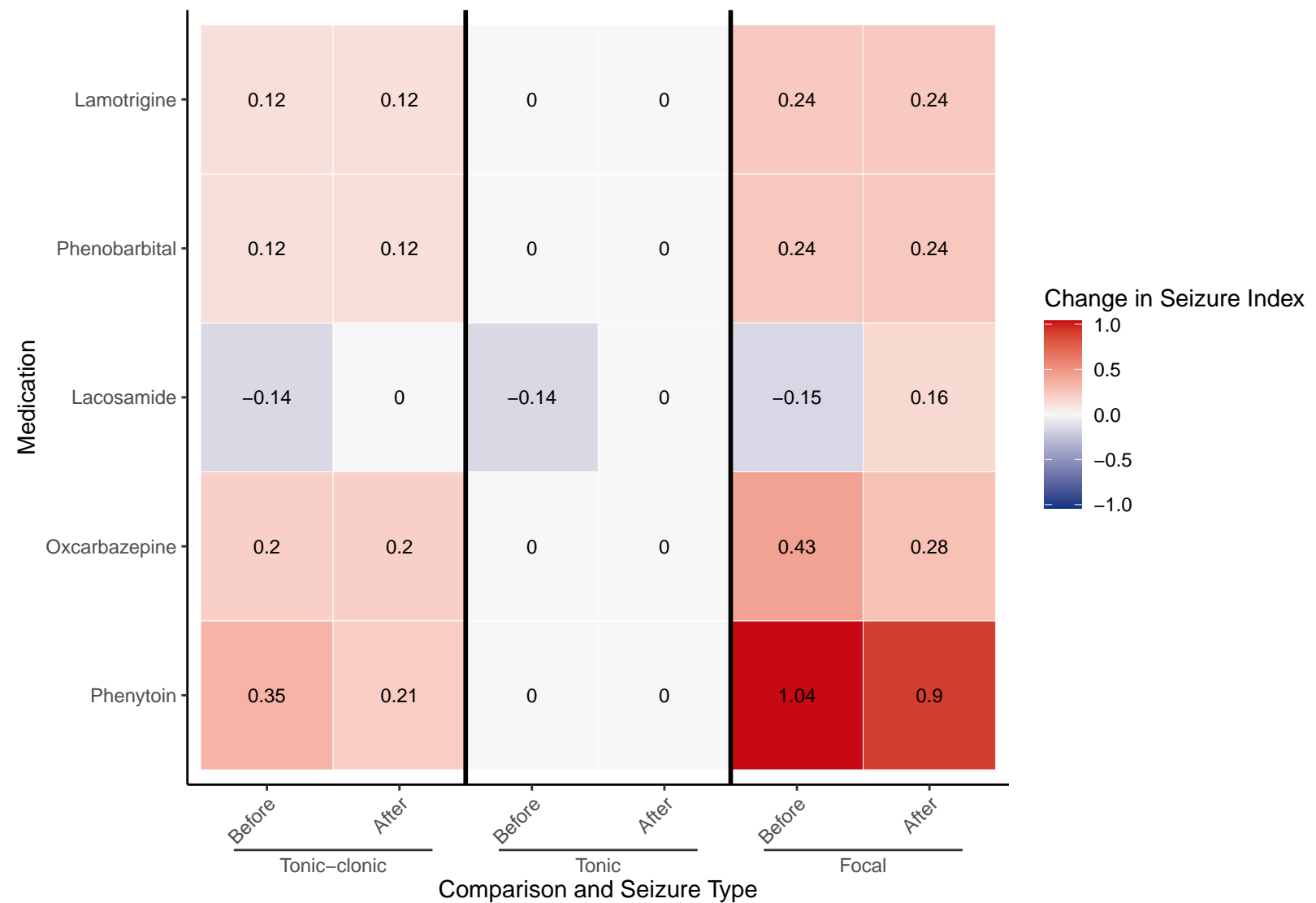




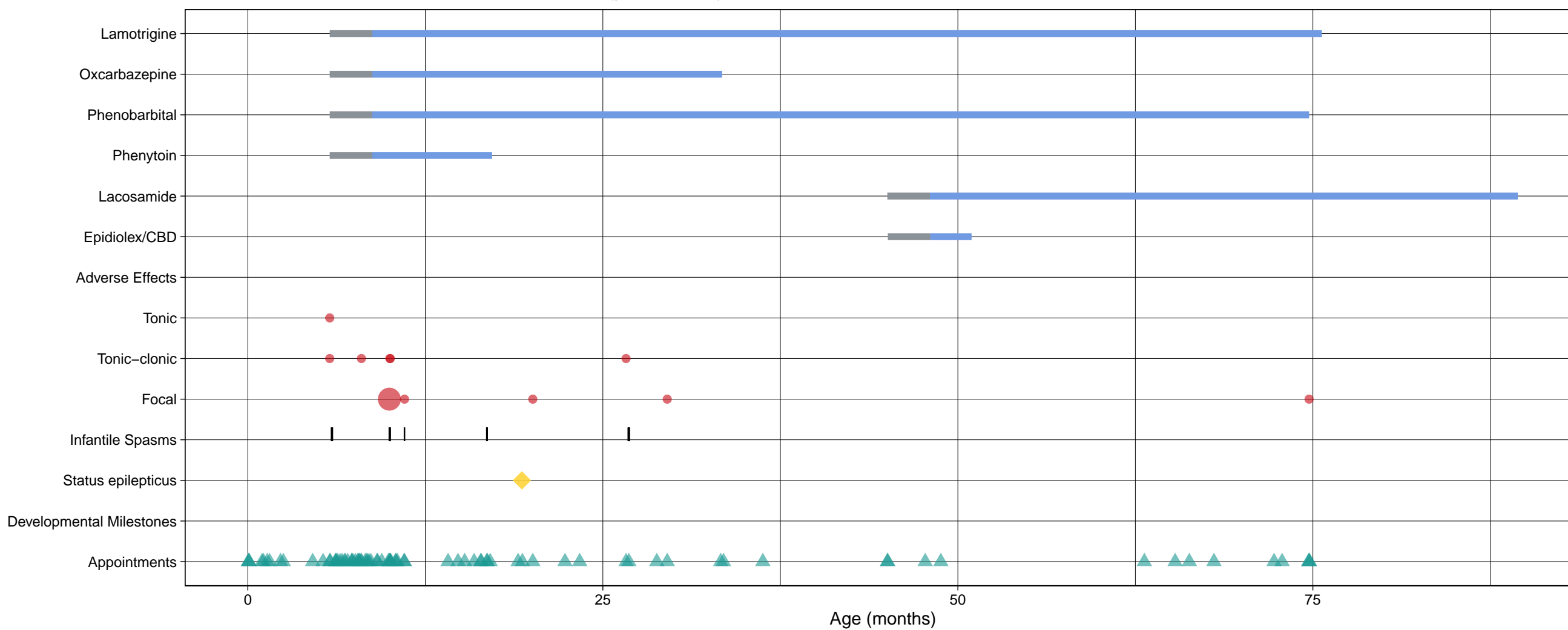
Seizure Index



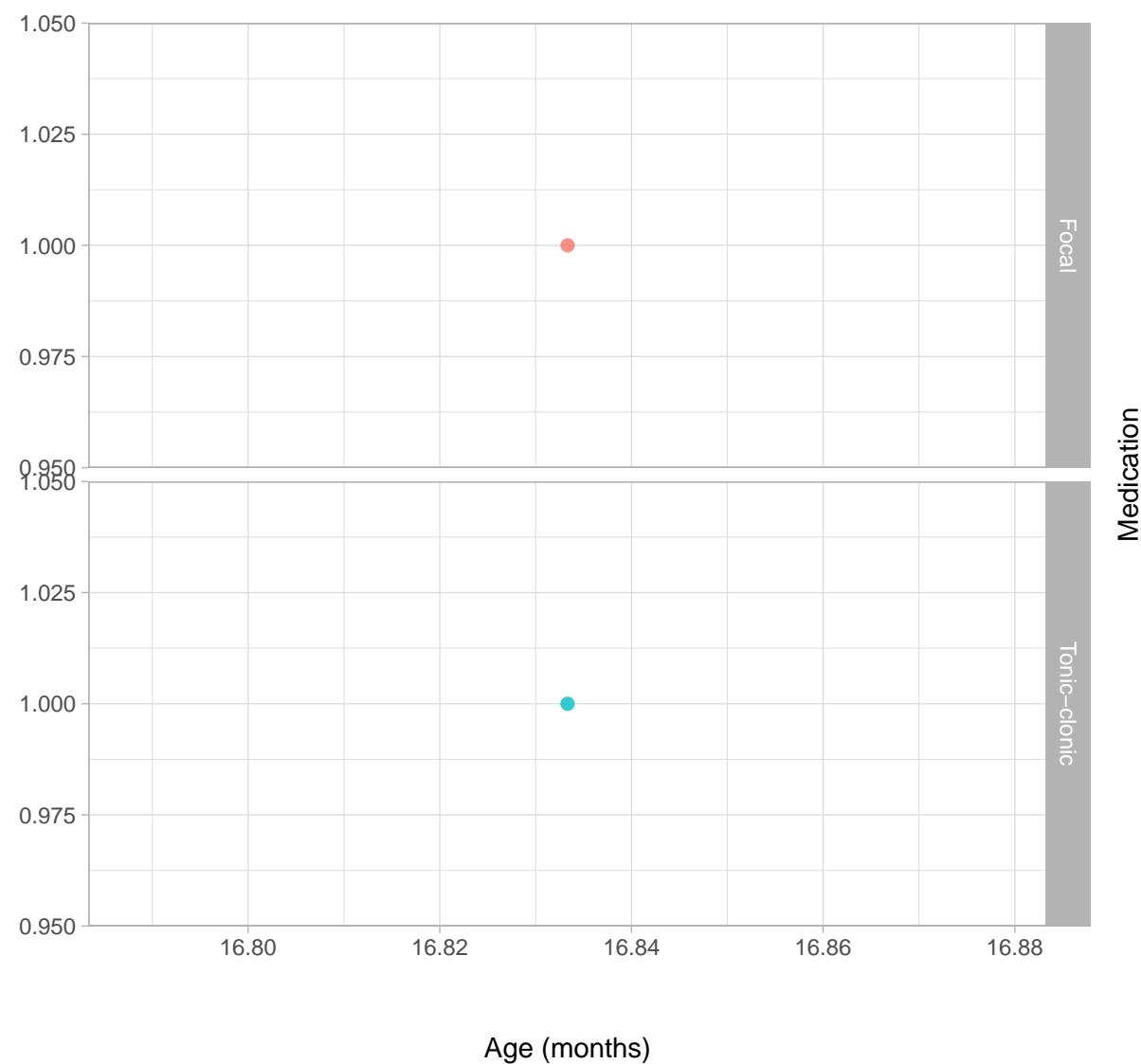
Seizure Index Comparisons



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



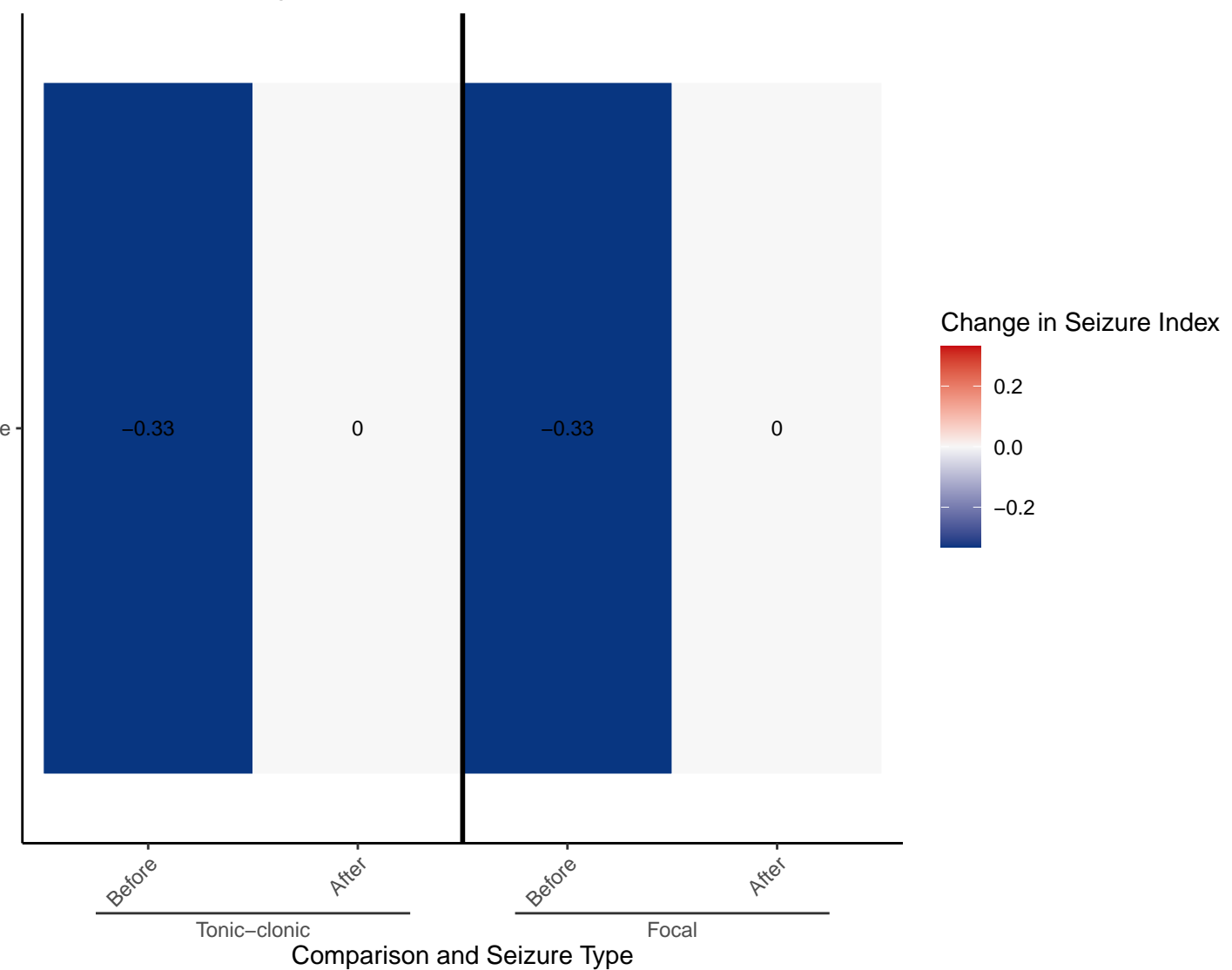
Seizure Index



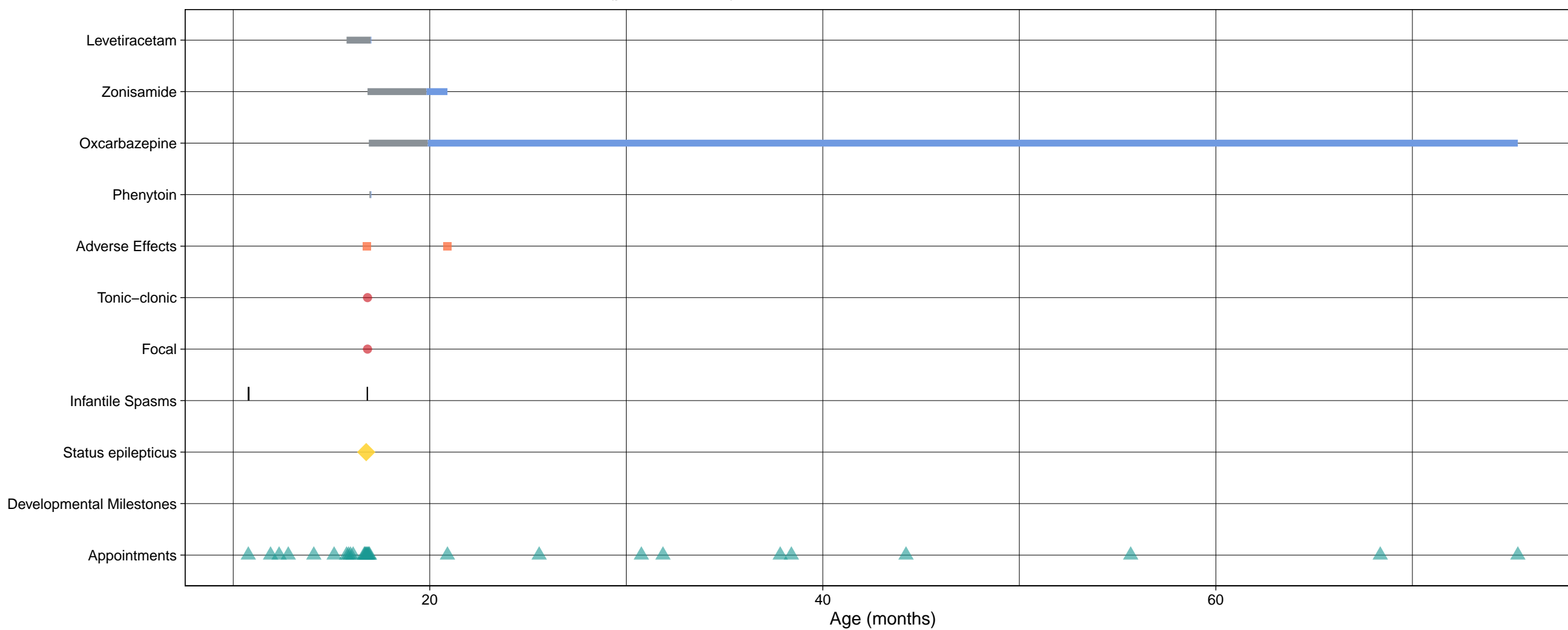
Medication

Oxcarbazepine

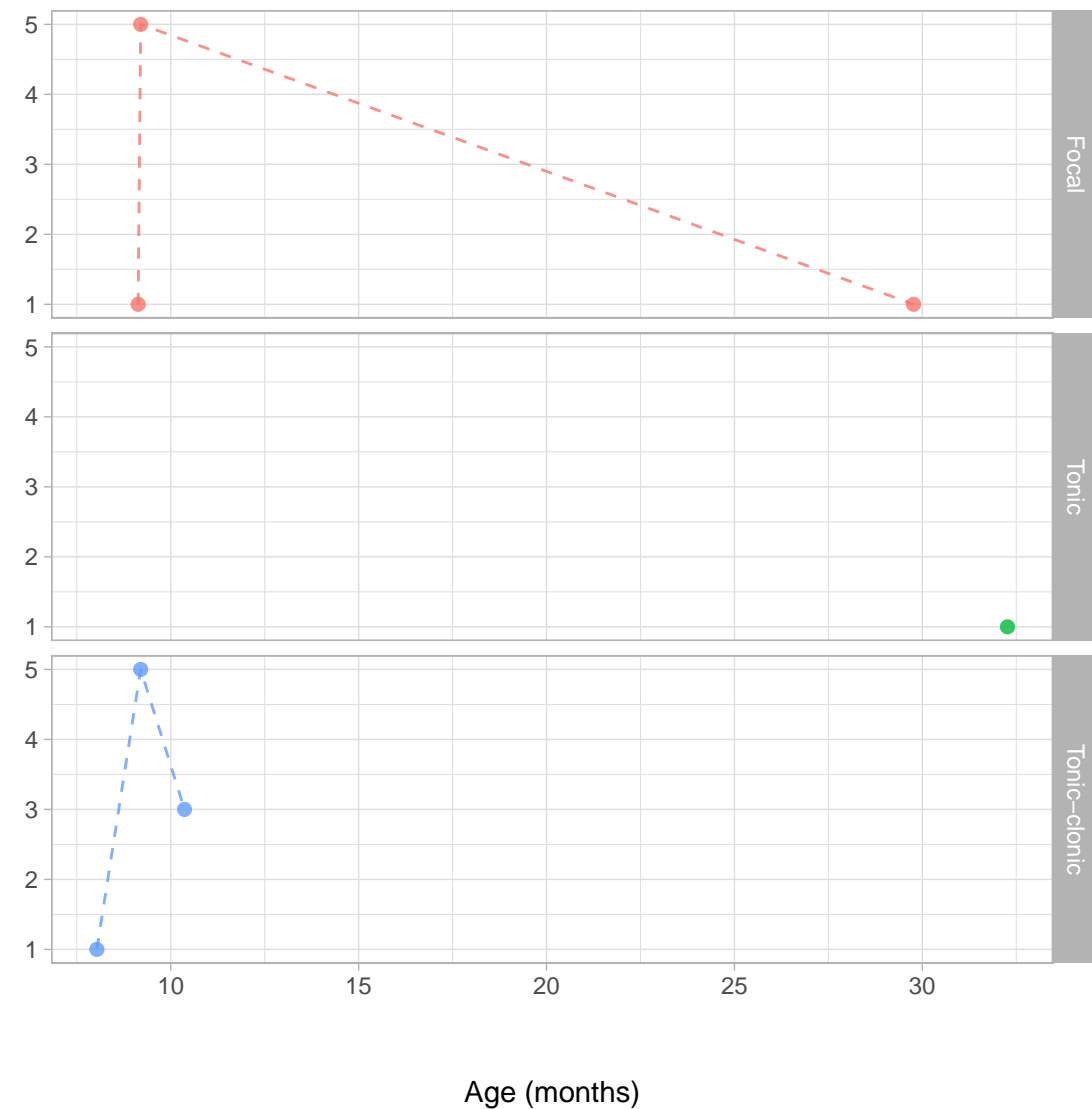
Seizure Index Comparisons



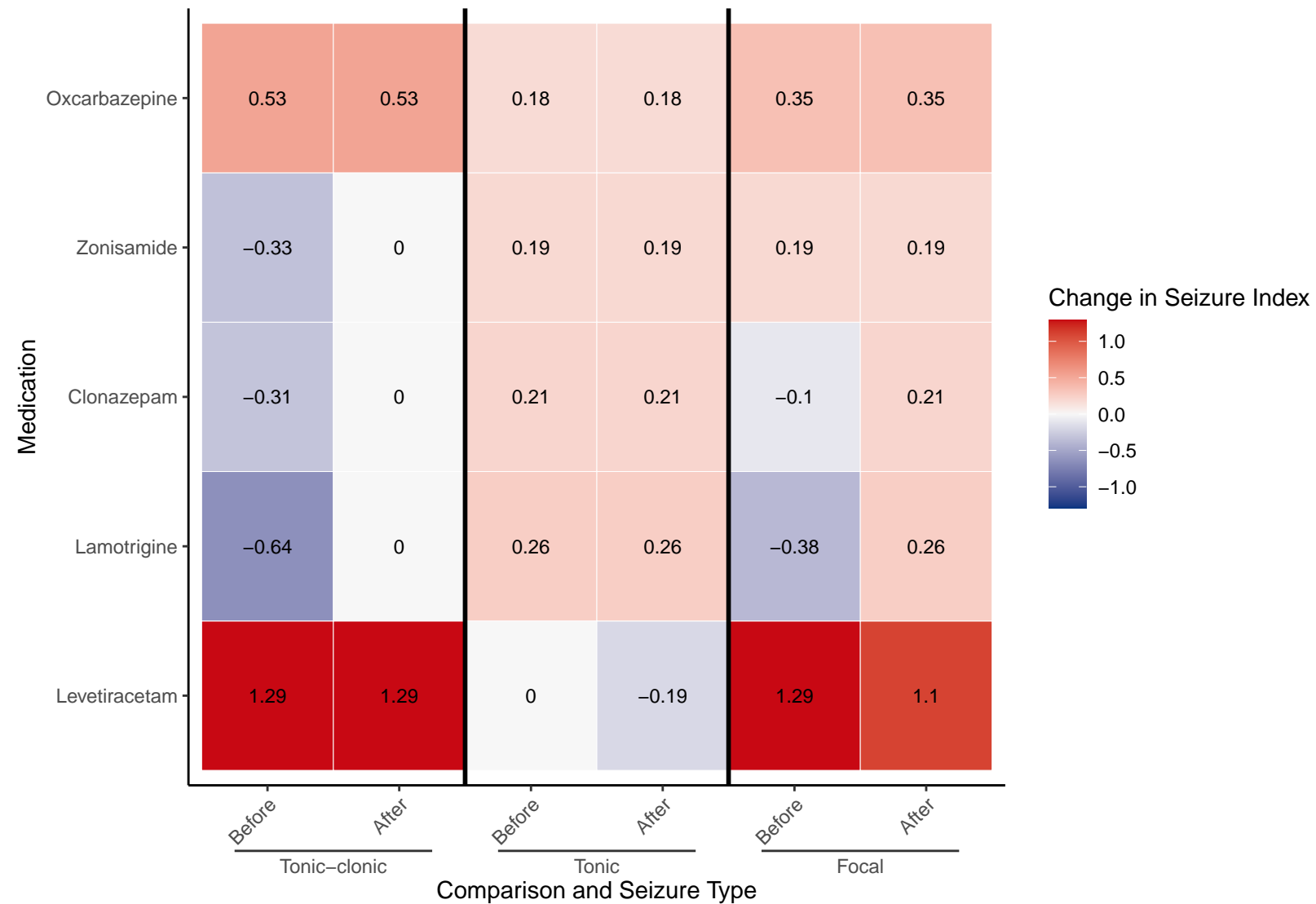
c8c1c6e1-7b85-4894-8ac8-2b890157c3b1 (p.Leu257Val)



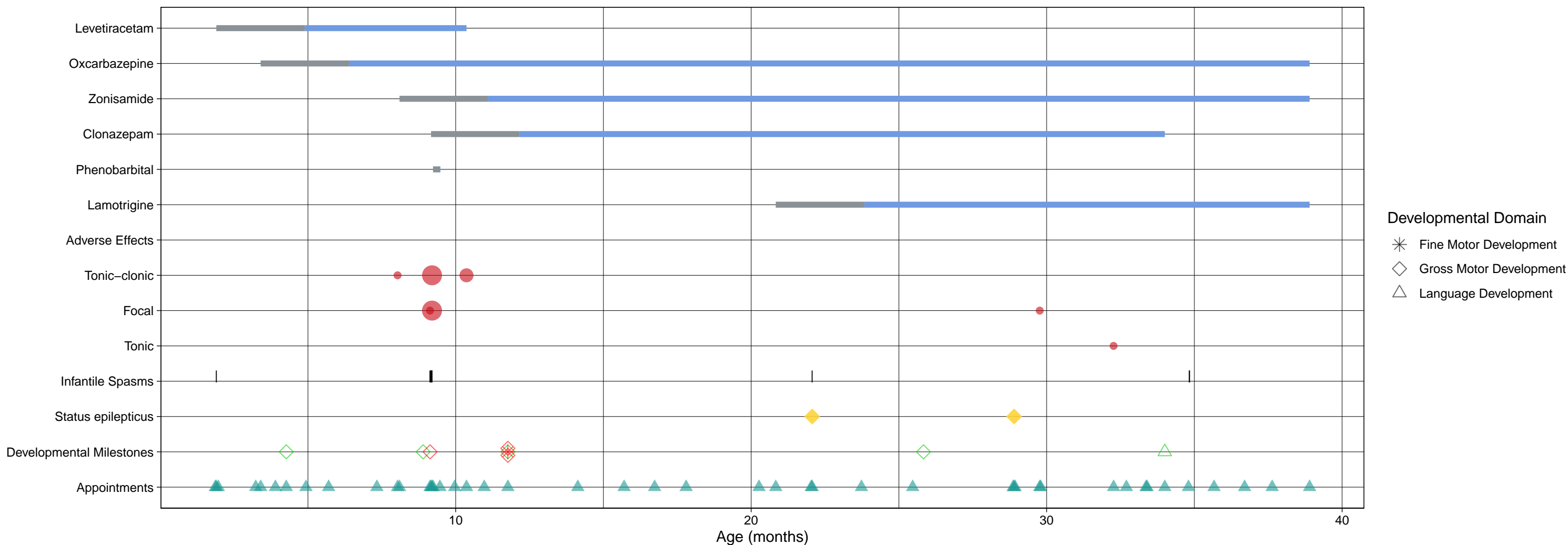
Seizure Index



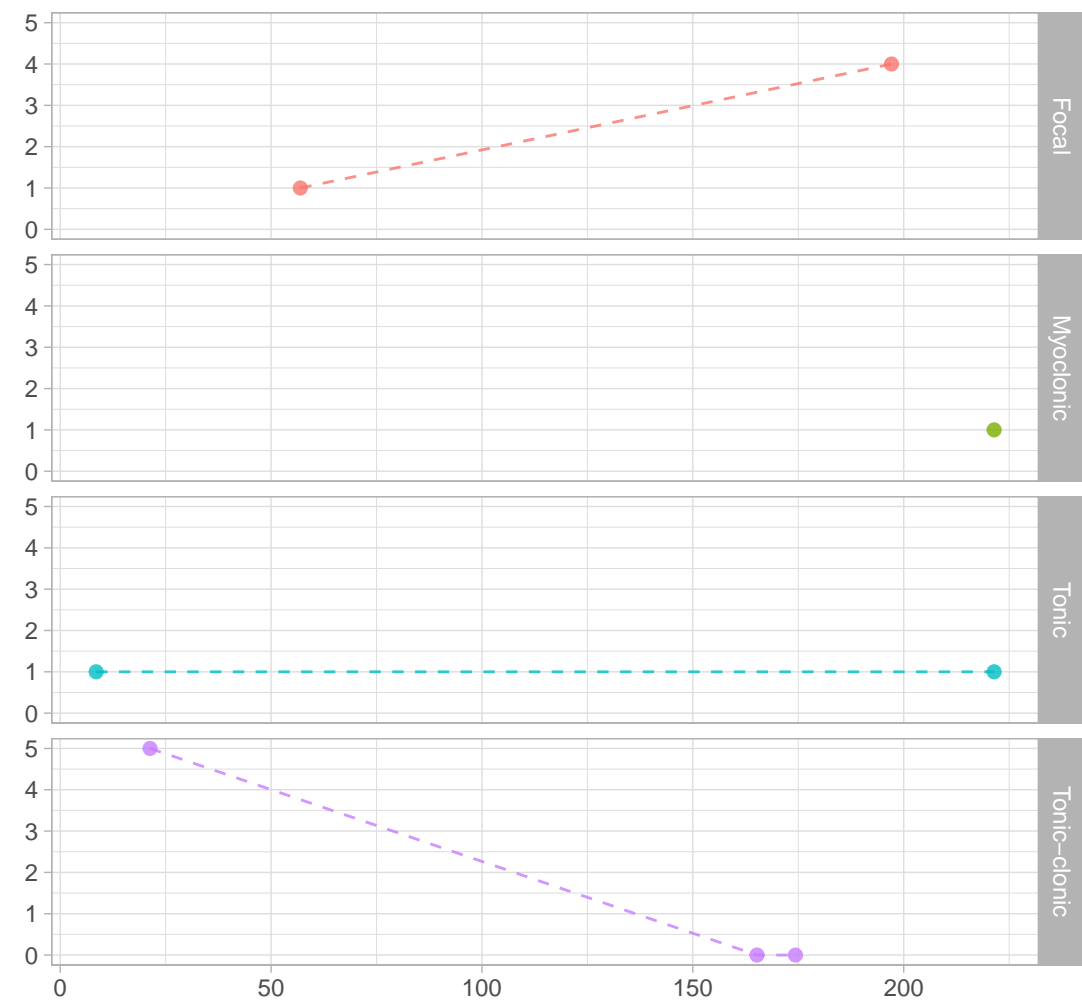
Seizure Index Comparisons



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

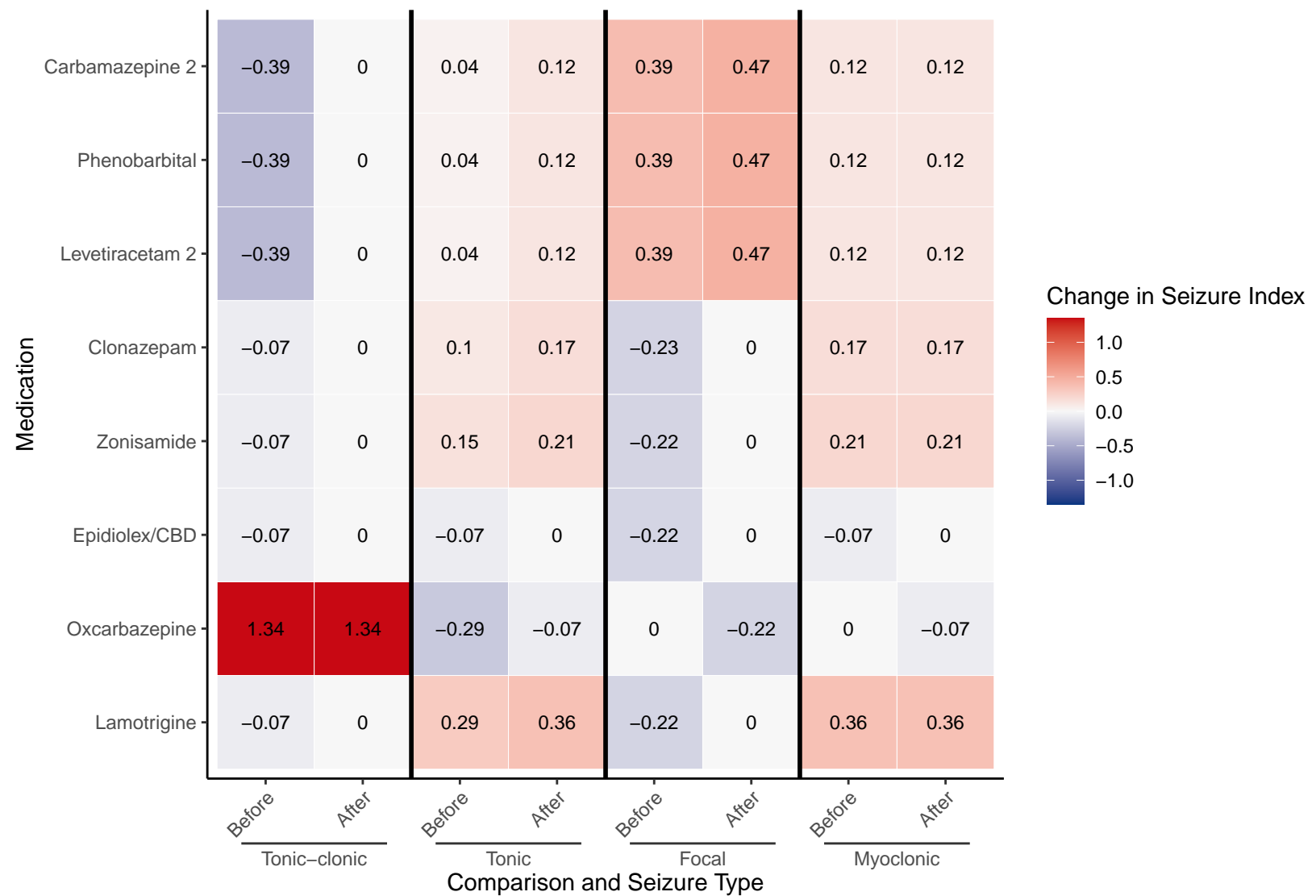


Seizure Index



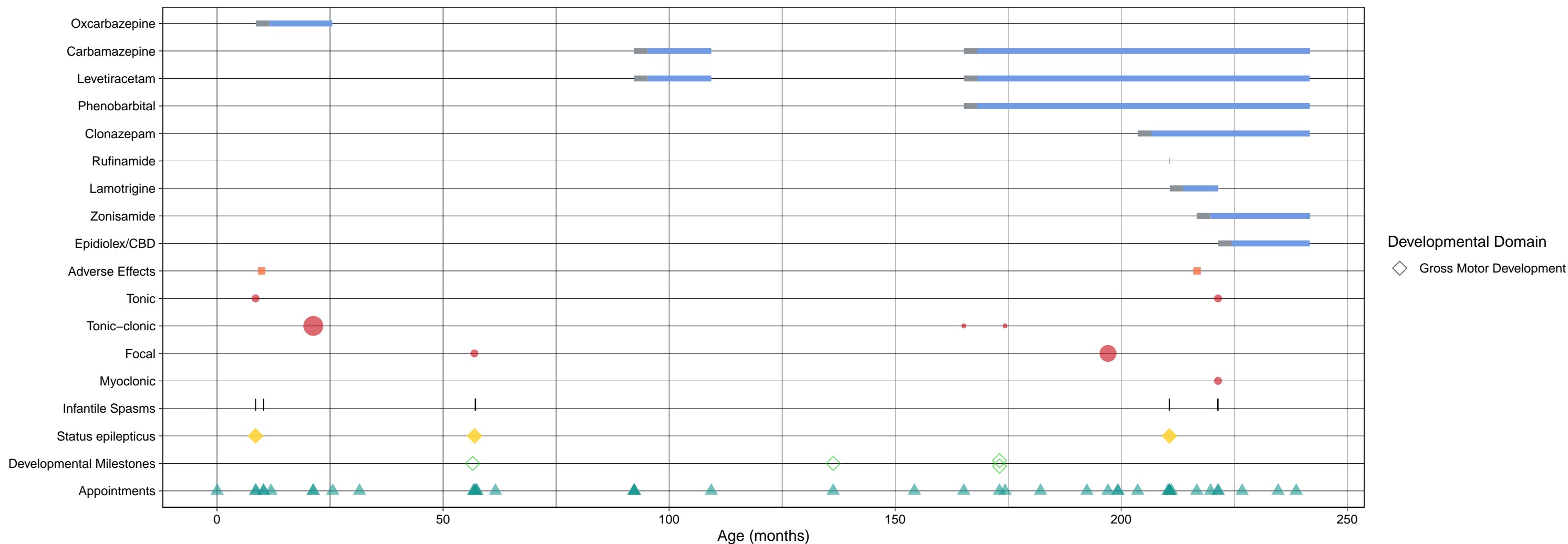
Age (months)

Seizure Index Comparisons

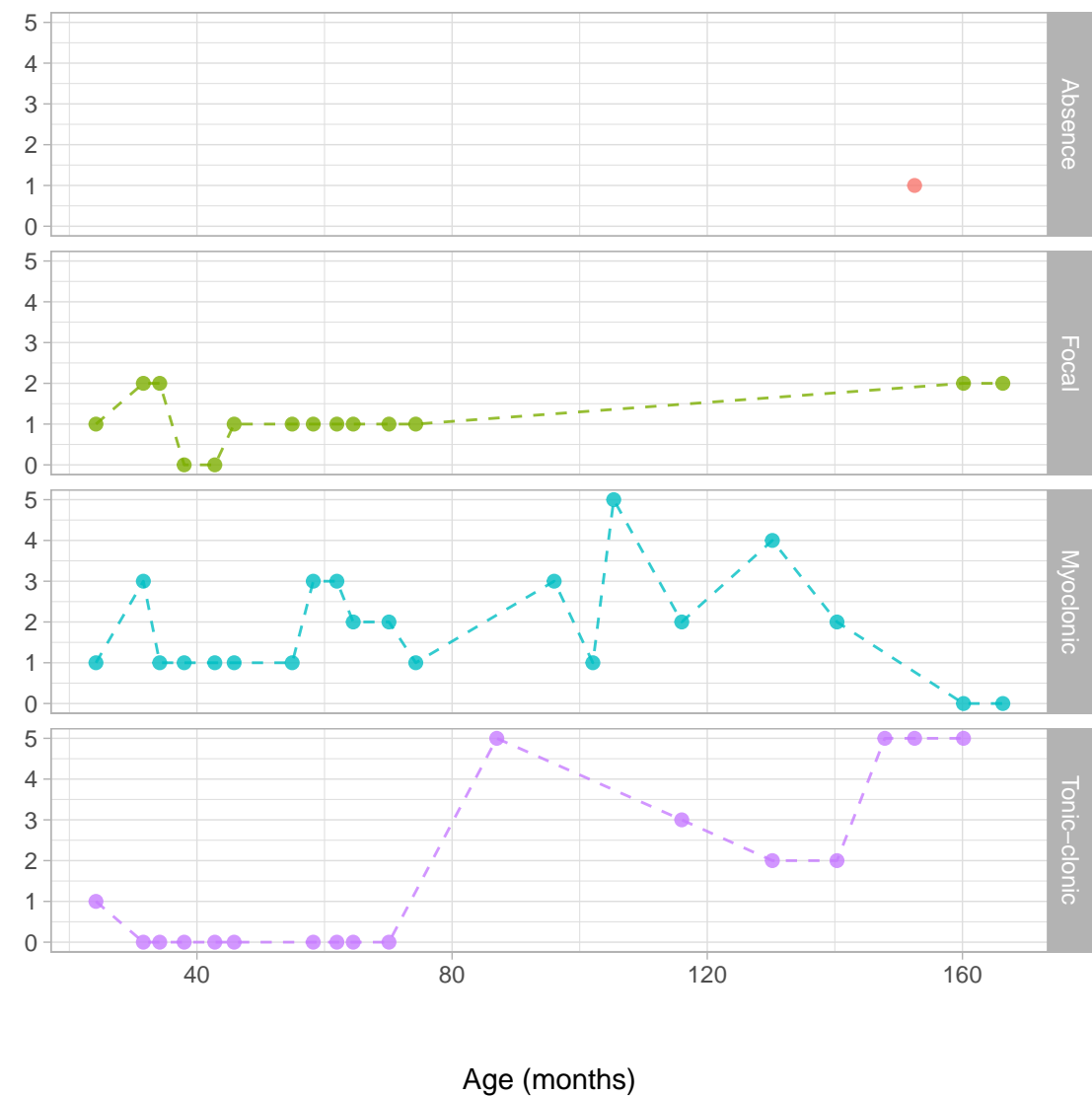


Comparison and Seizure Type

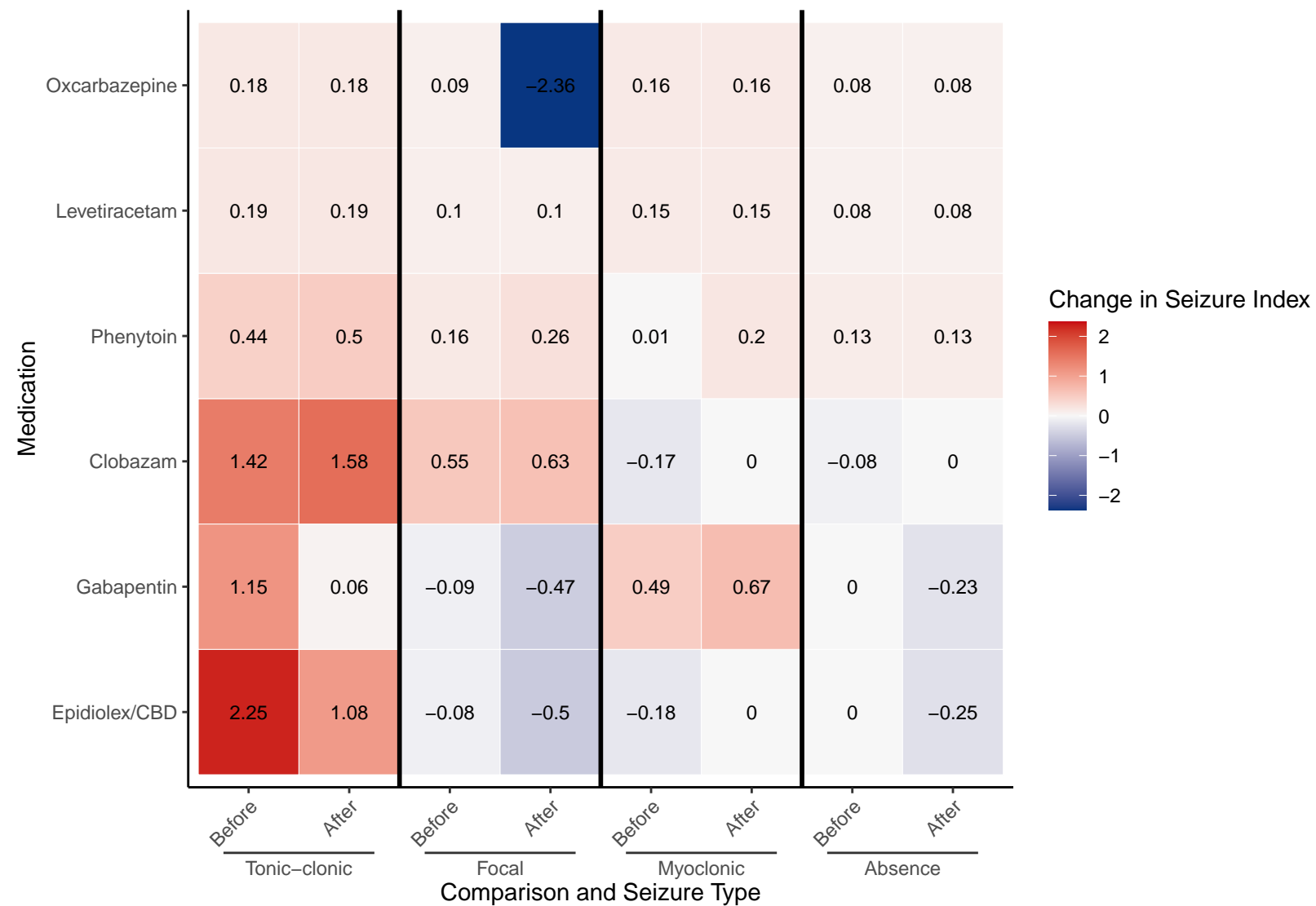
0ca73c00-6d87-4dda-962a-770faa0782d2 (p.Leu848Trp)



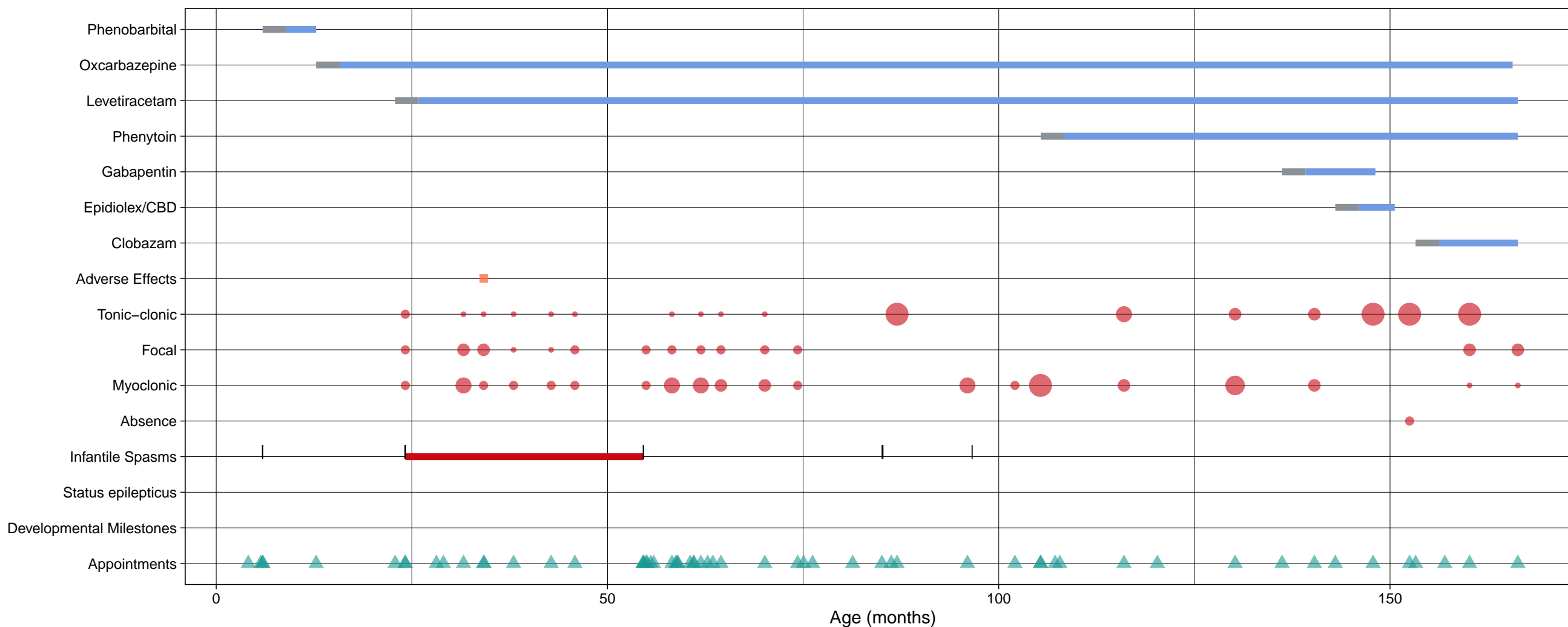
Seizure Index



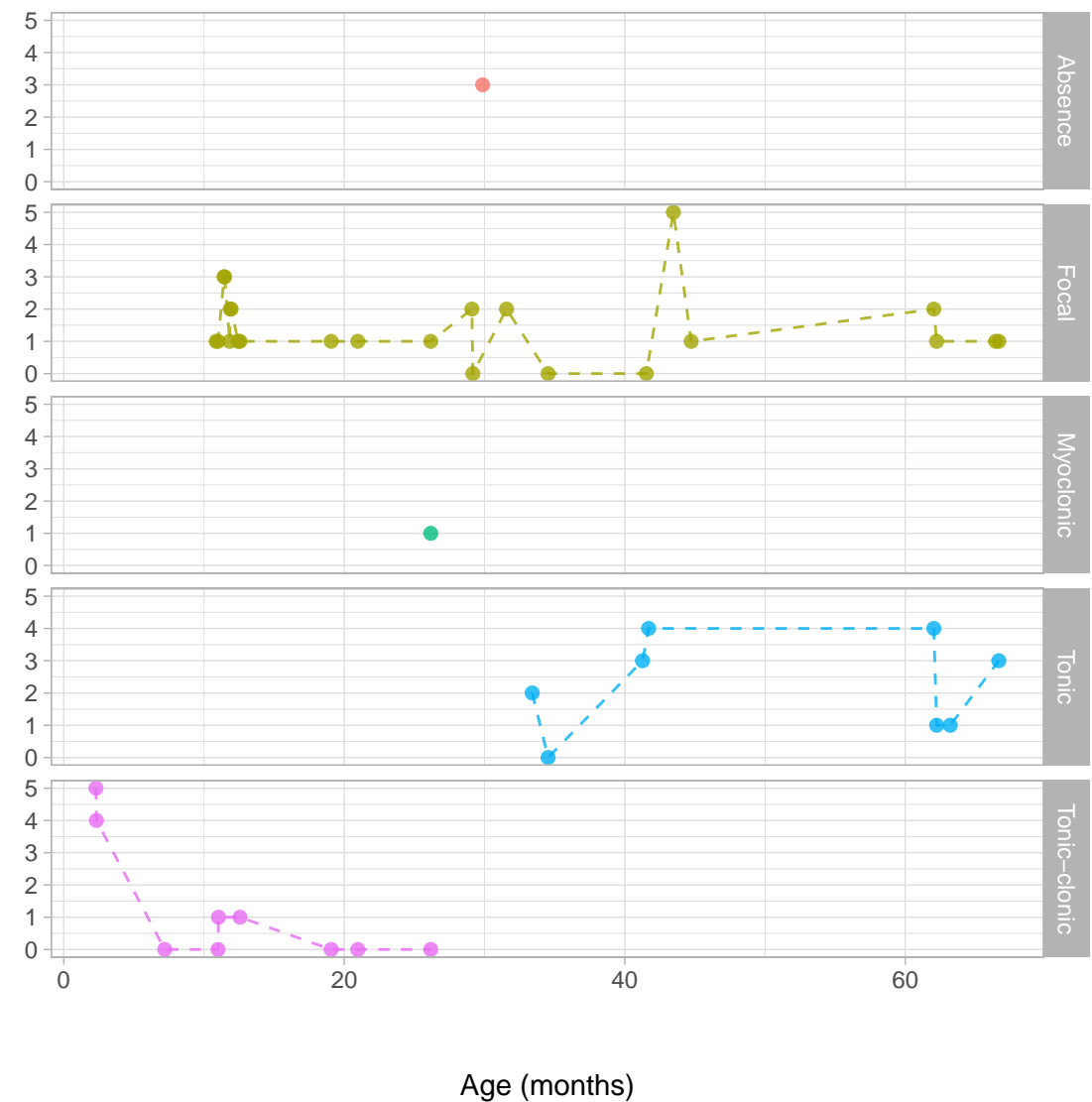
Seizure Index Comparisons



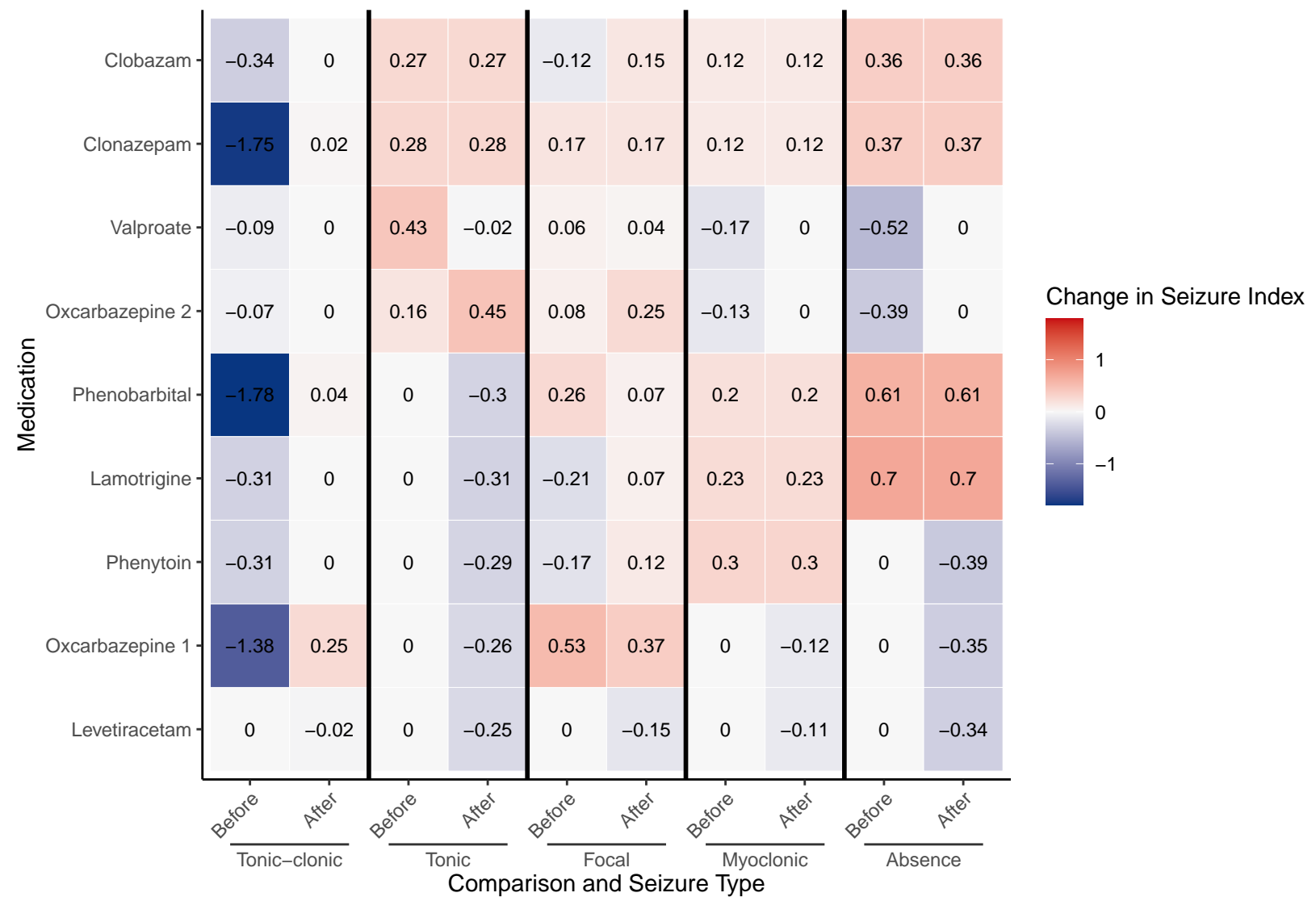
a78e0fd2-2e75-464e-b60a-7f9ab86dc408 (p.Arg850Gln) - IF



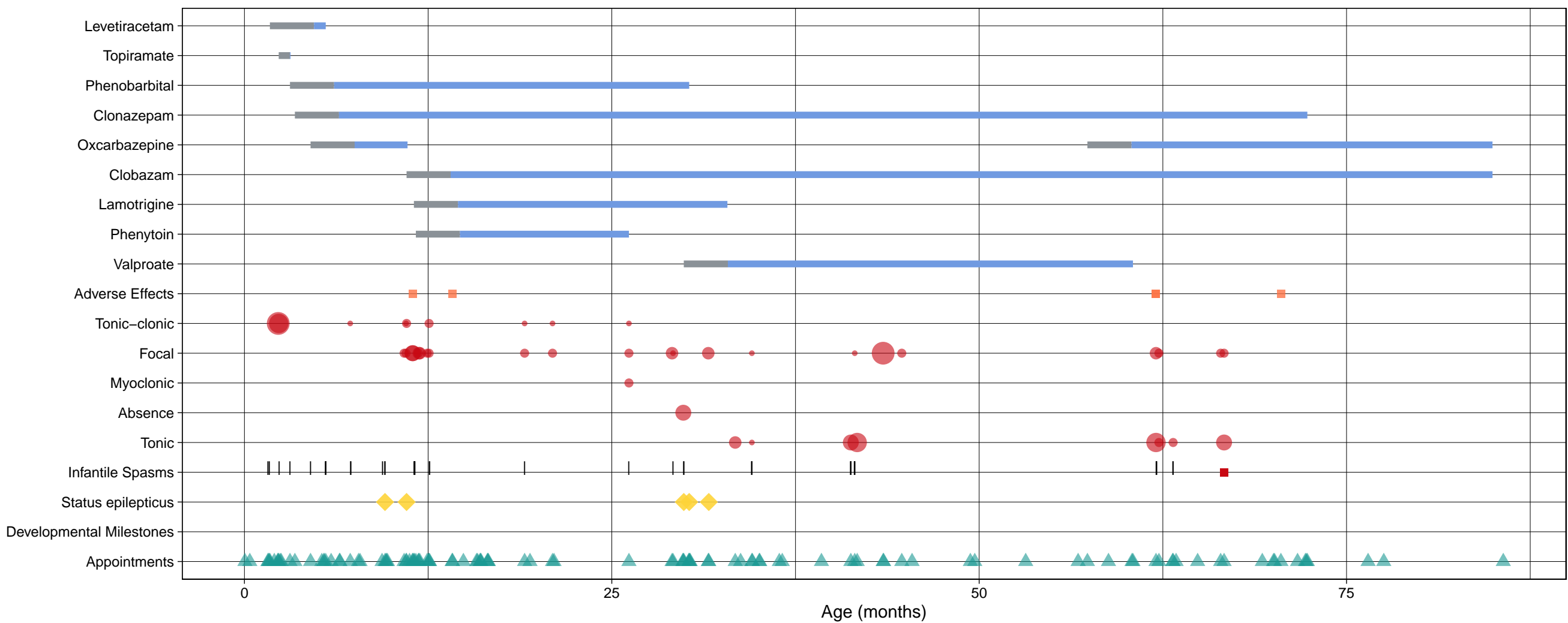
Seizure Index



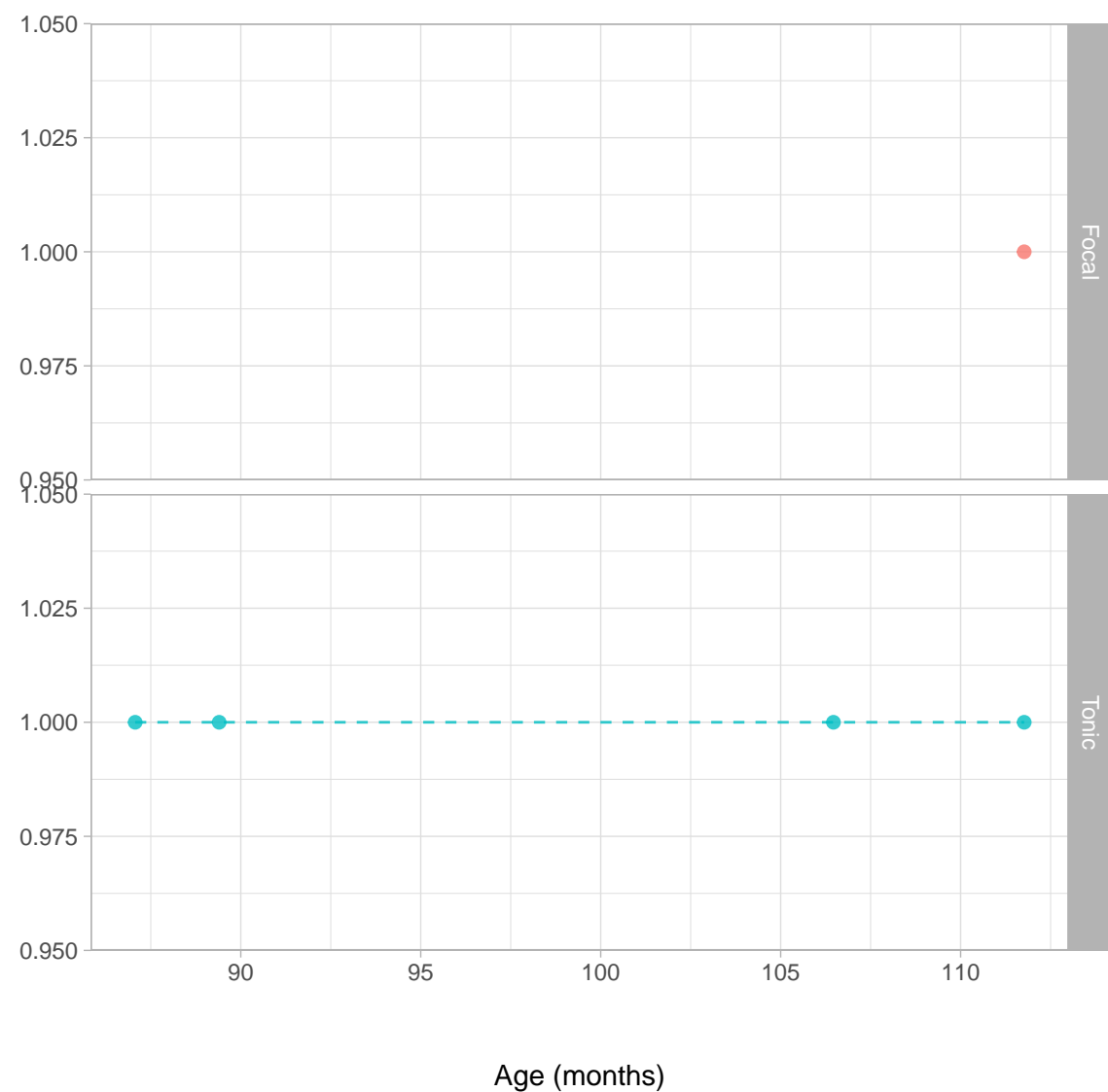
Seizure Index Comparisons



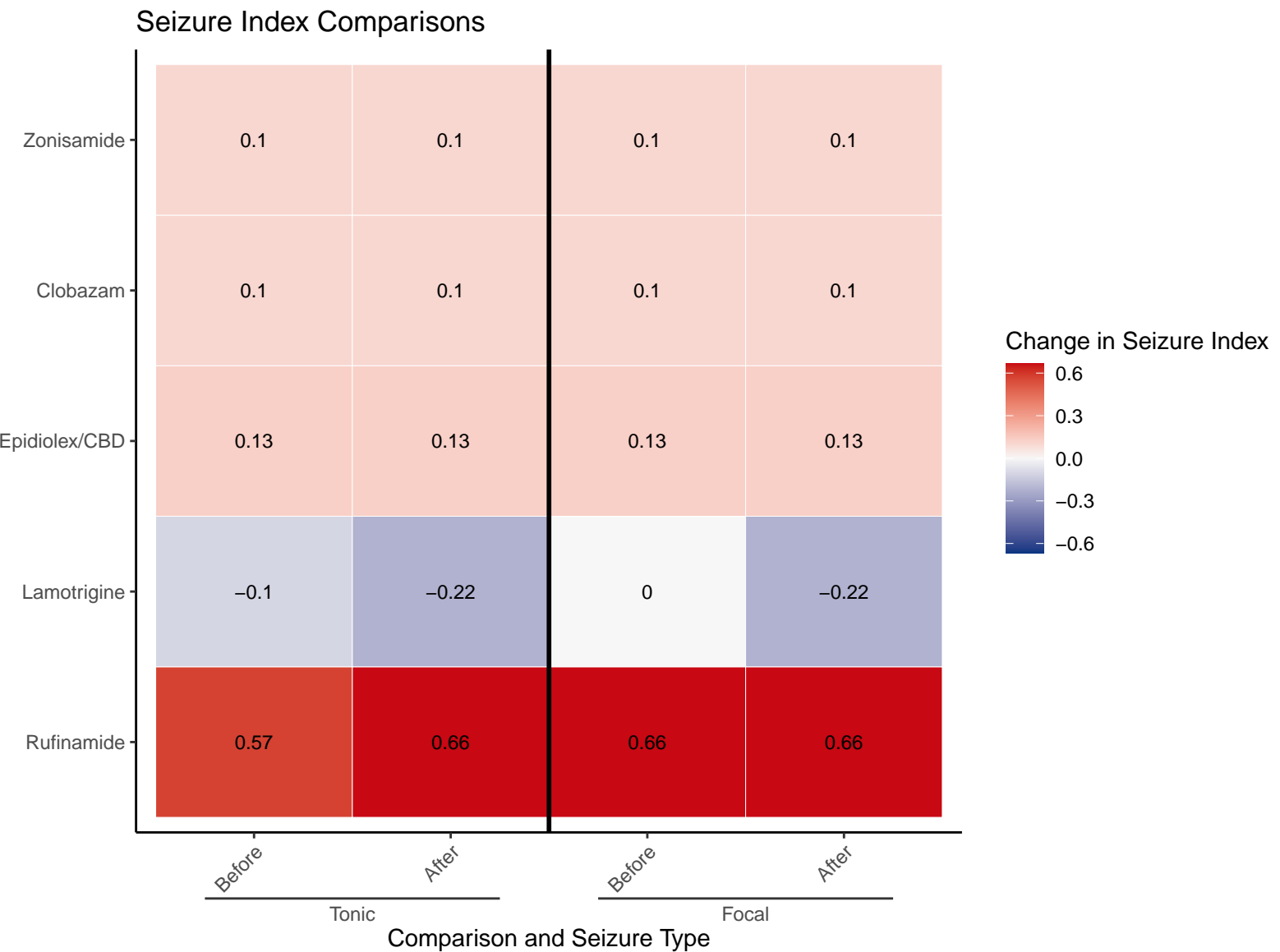
a0db758a-9a41-4a88-b57e-9f2e5f29bf78 (p.Ile868Thr)



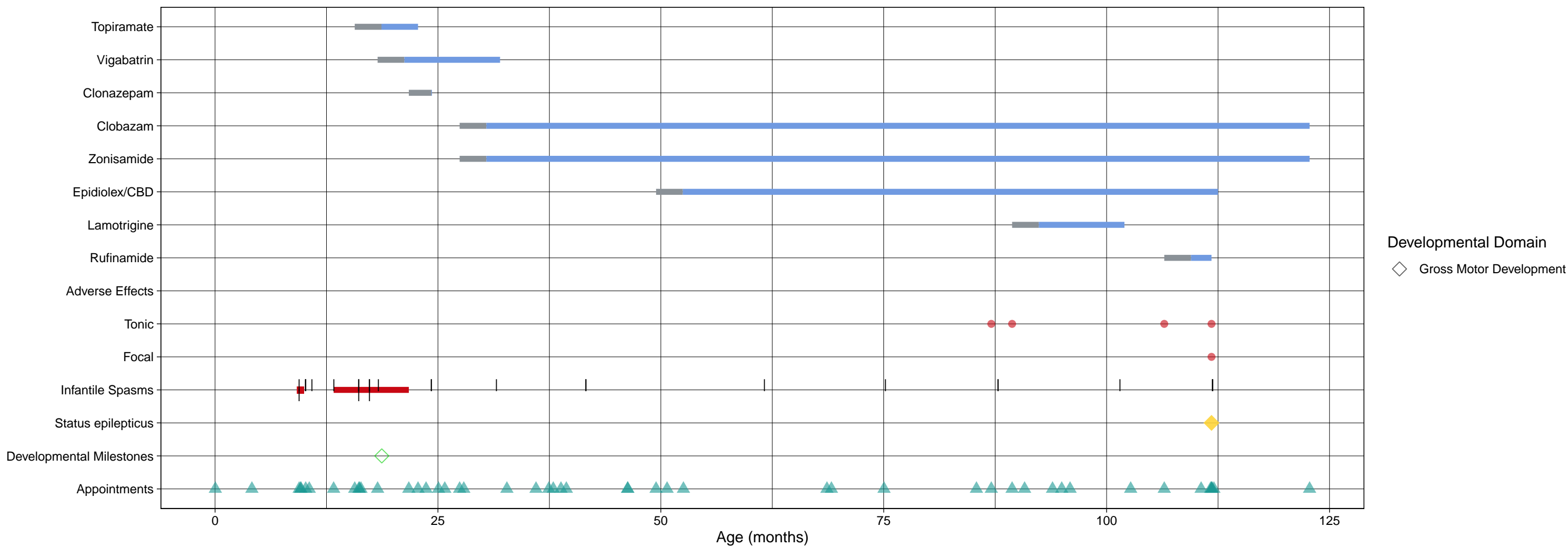
Seizure Index

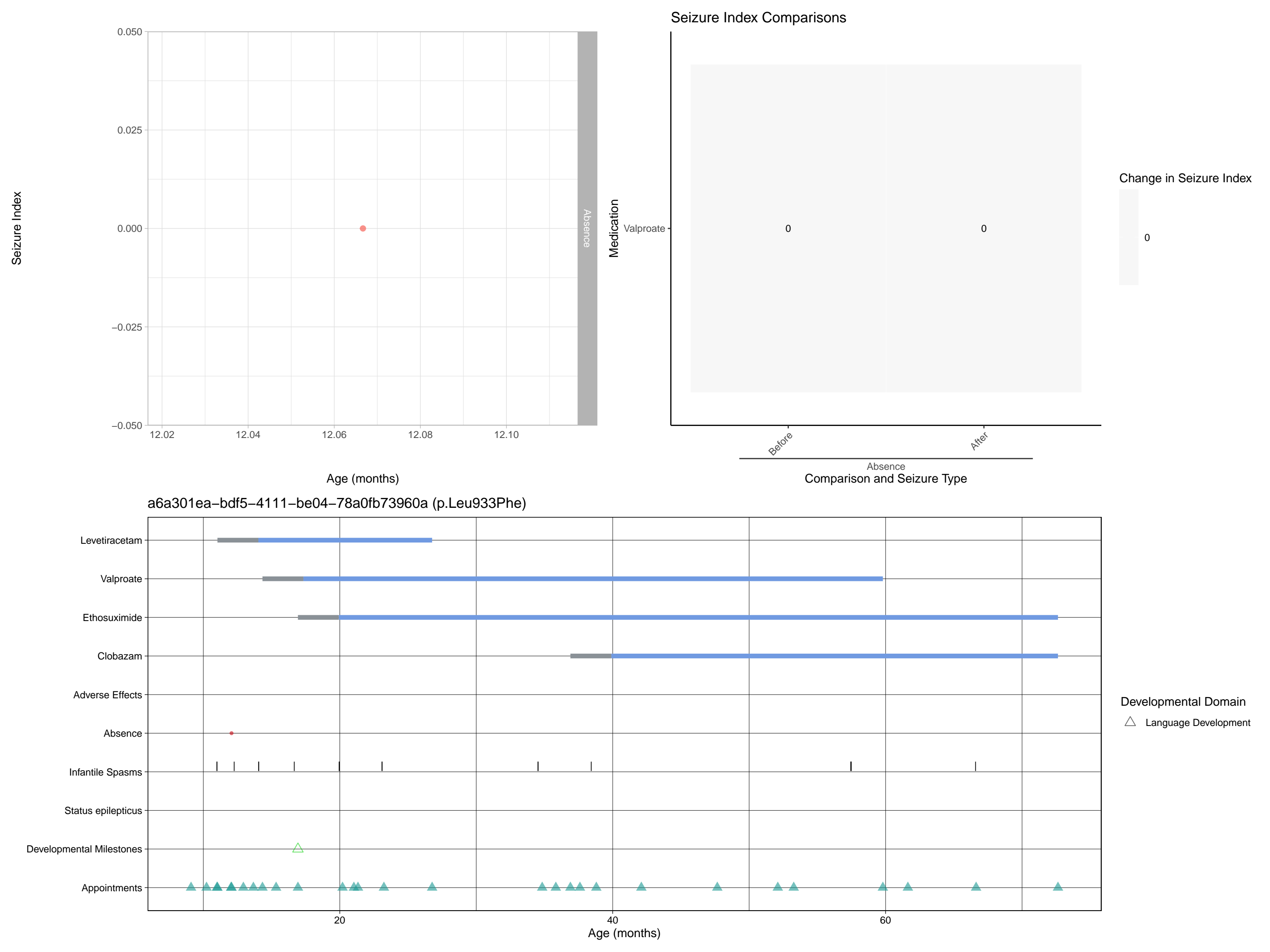


Medication

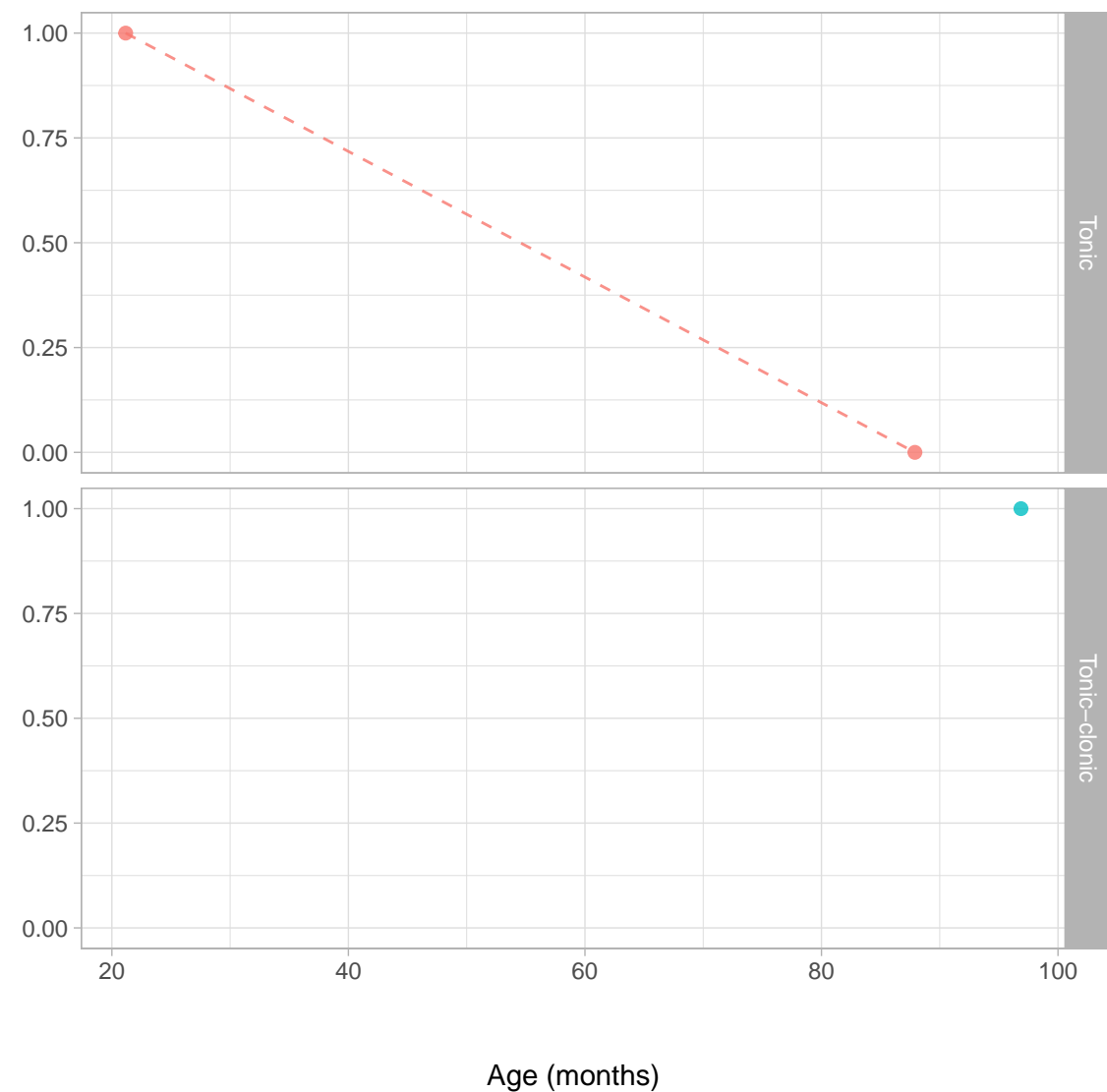


ef4aa67a-8421-4e40-92eb-44c60305fde6 (p.Val881Ala) - IF

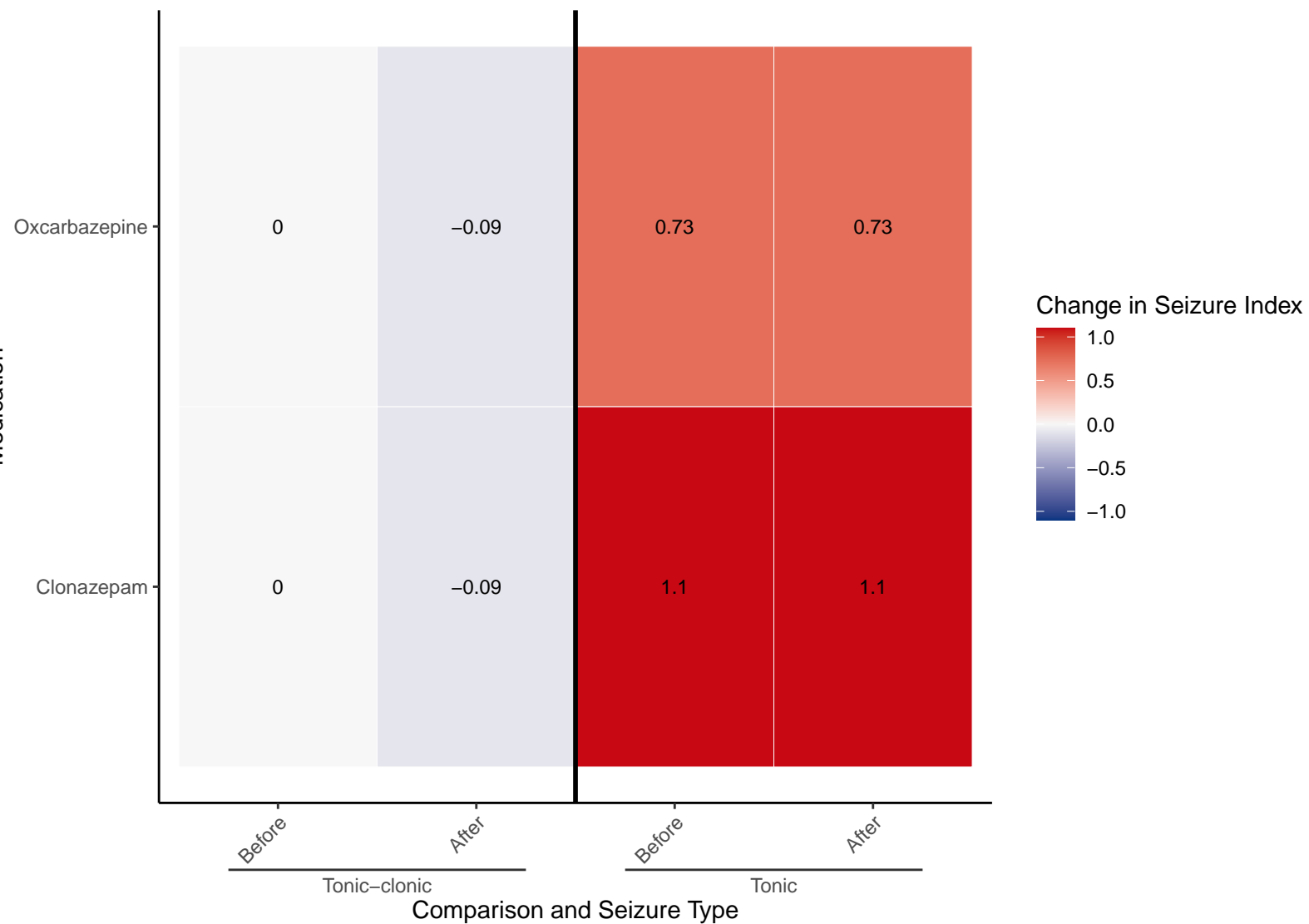




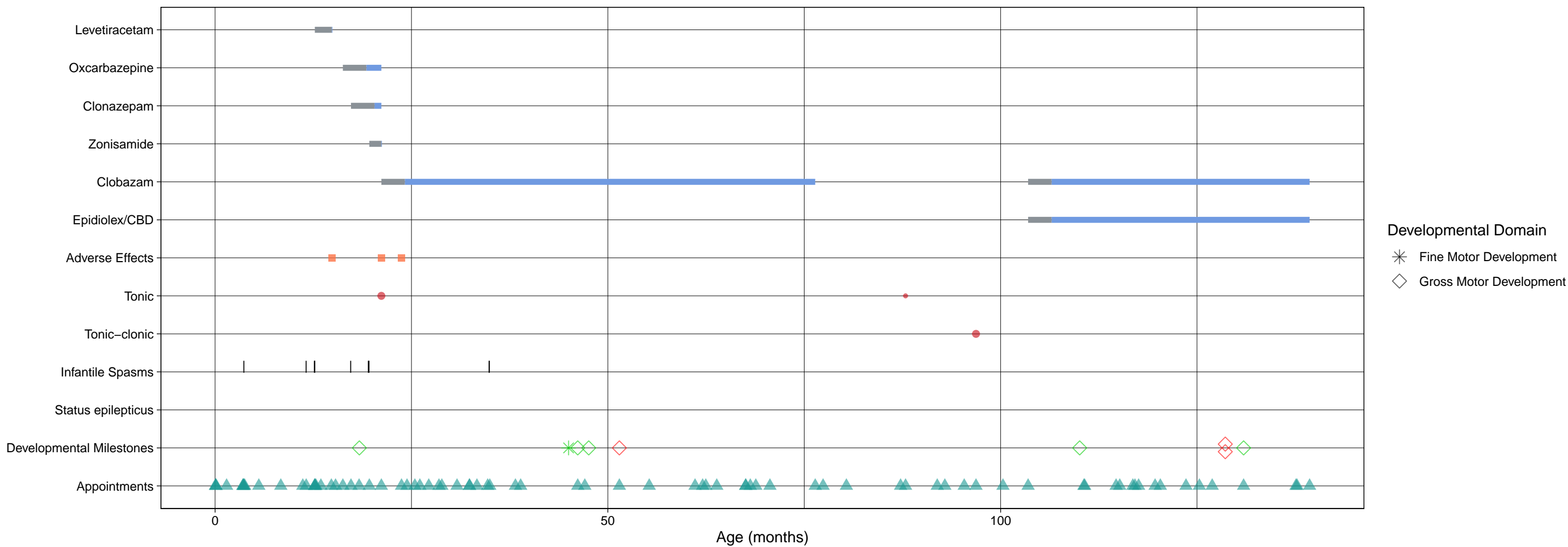
Seizure Index



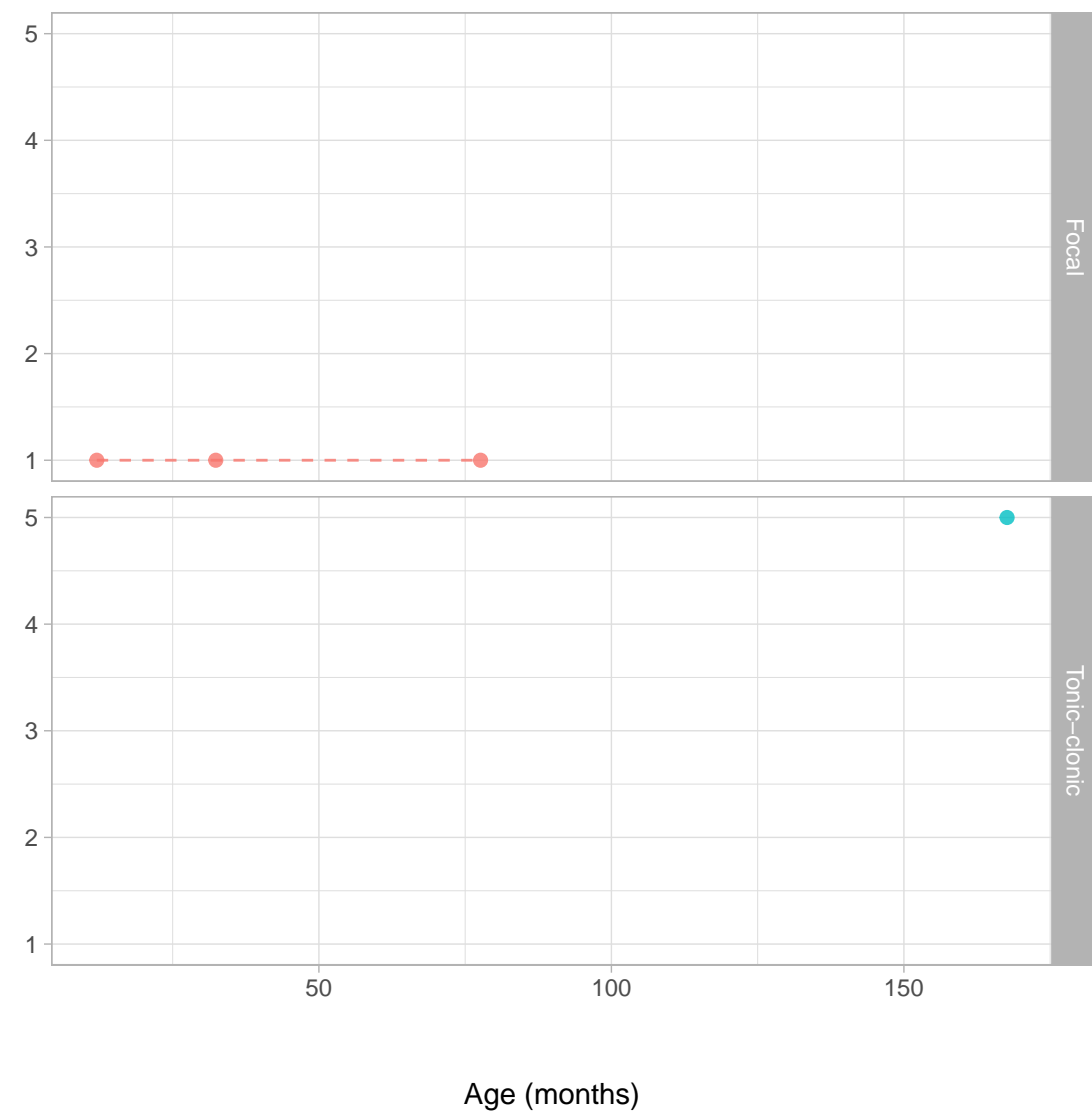
Seizure Index Comparisons



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

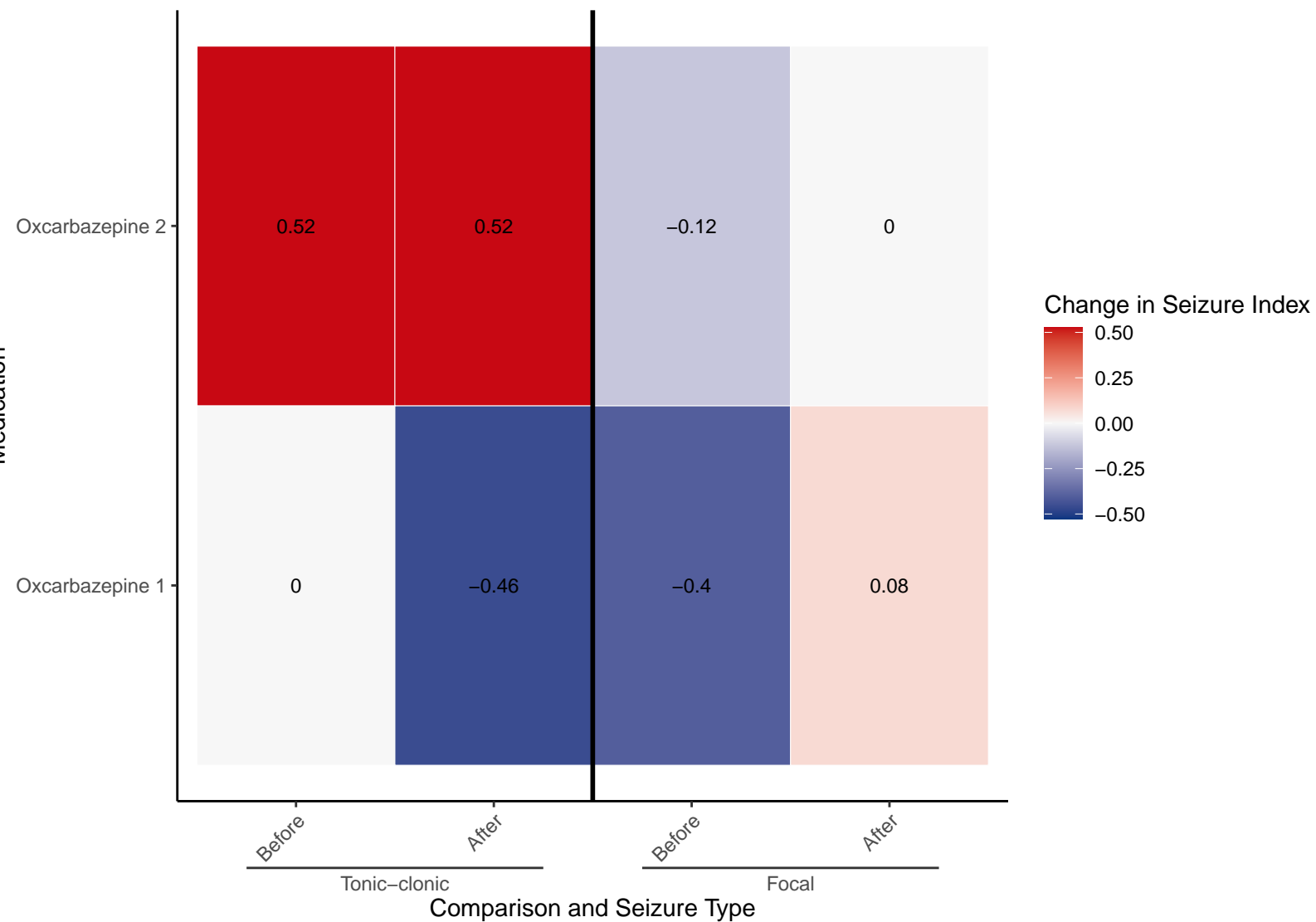


Seizure Index

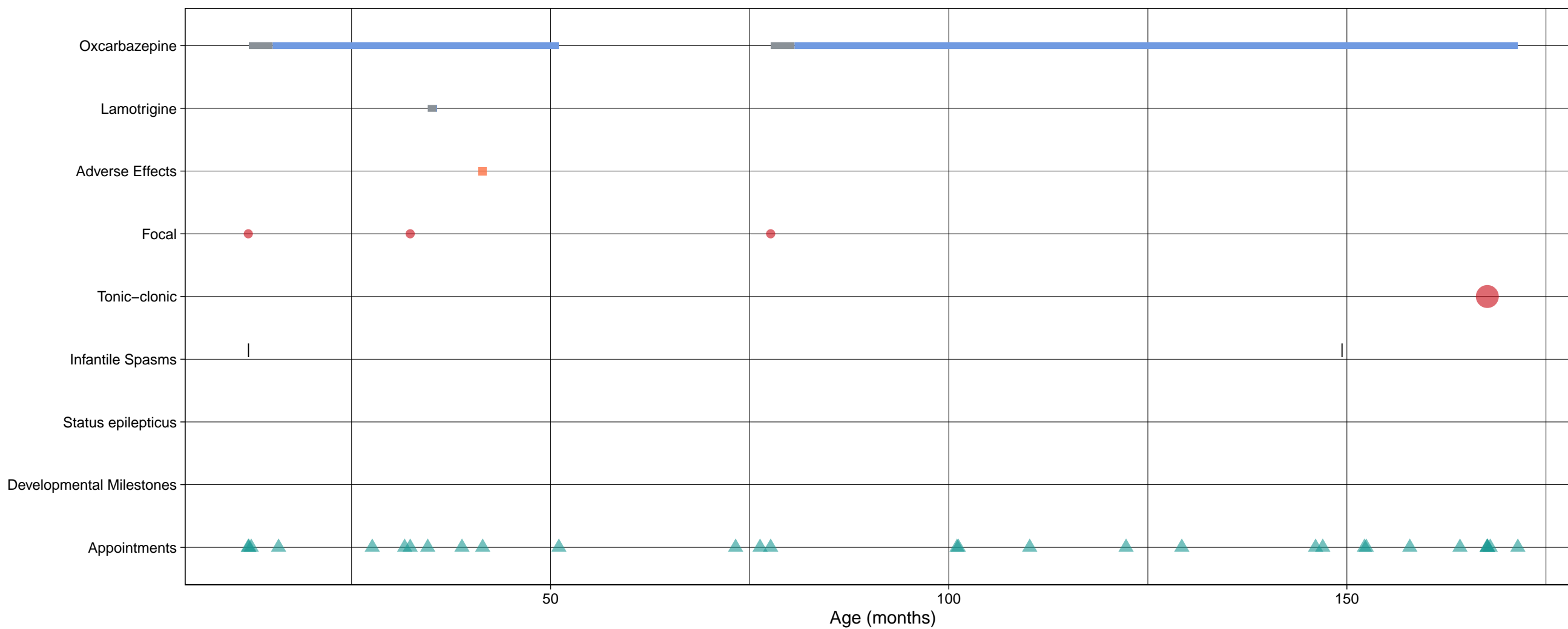


Medication

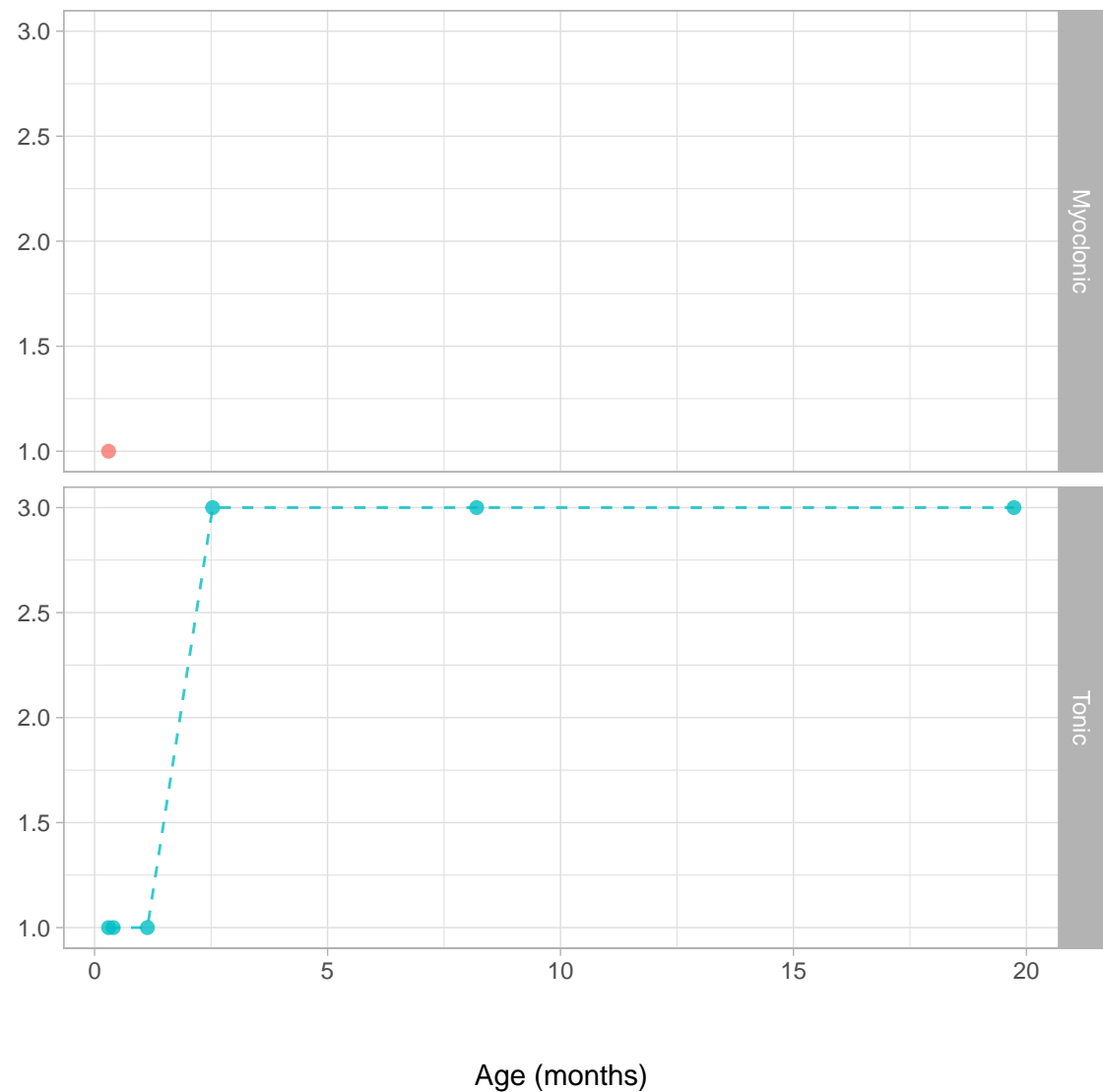
Seizure Index Comparisons



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



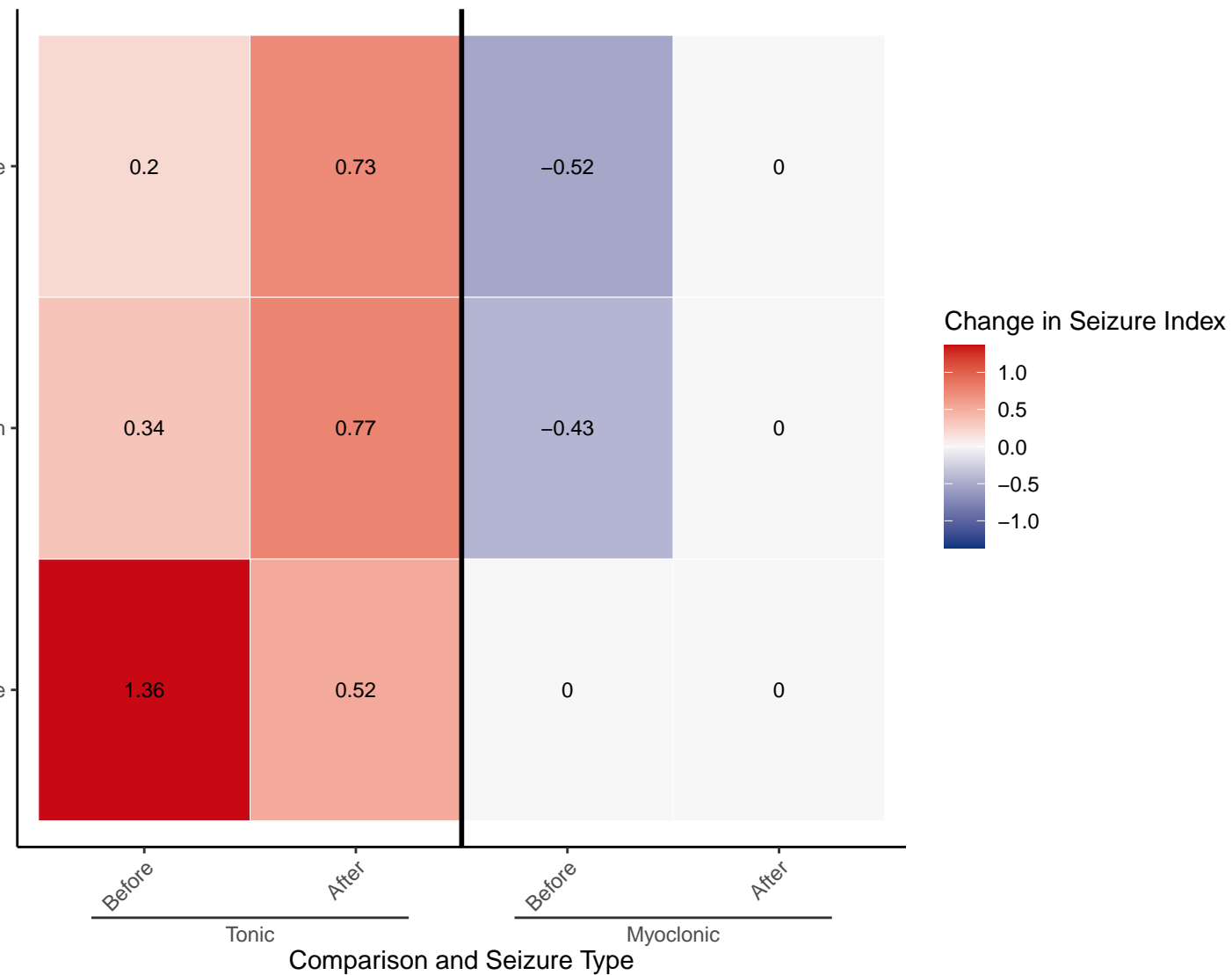
Seizure Index



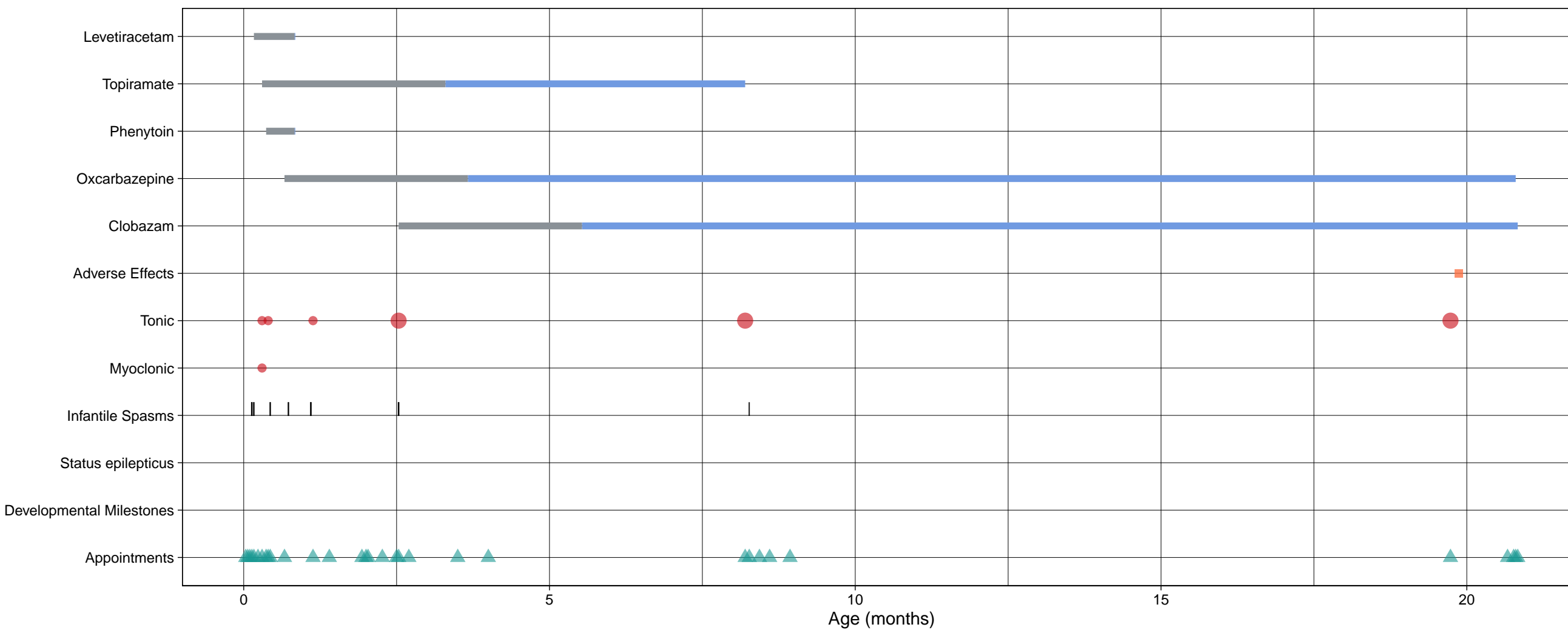
Medication

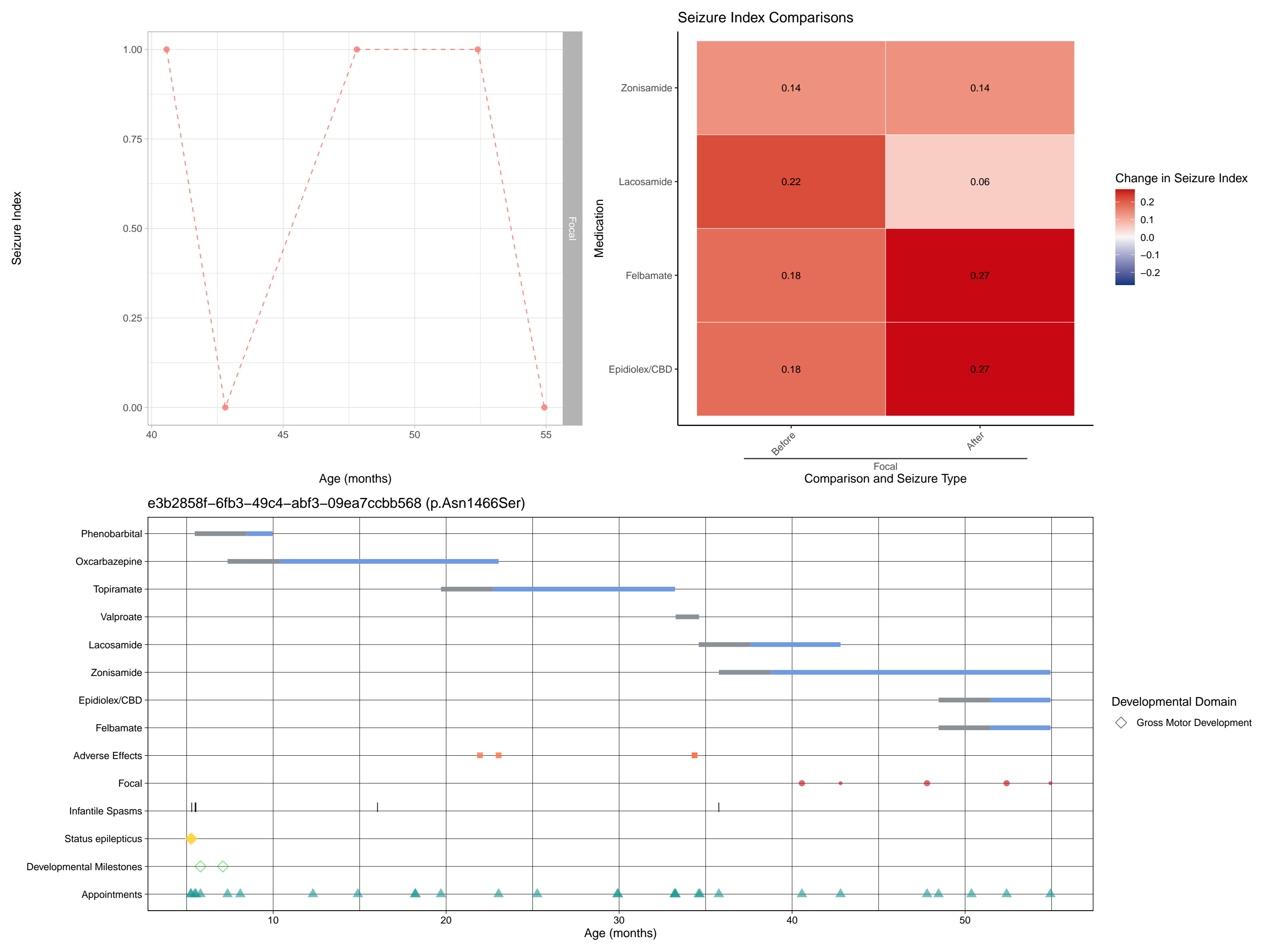
Oxcarbazepine
Clobazam
Topiramate

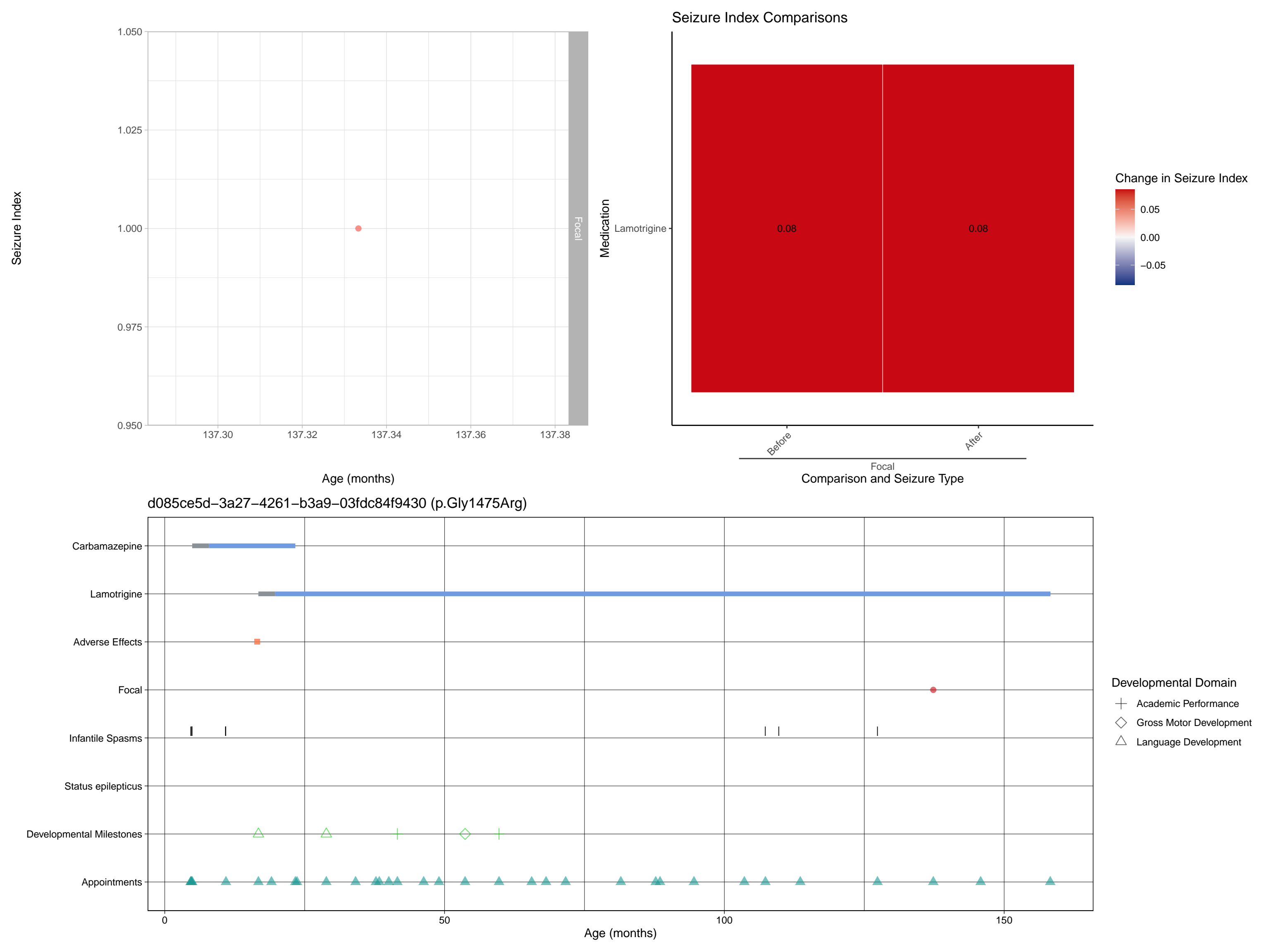
Seizure Index Comparisons



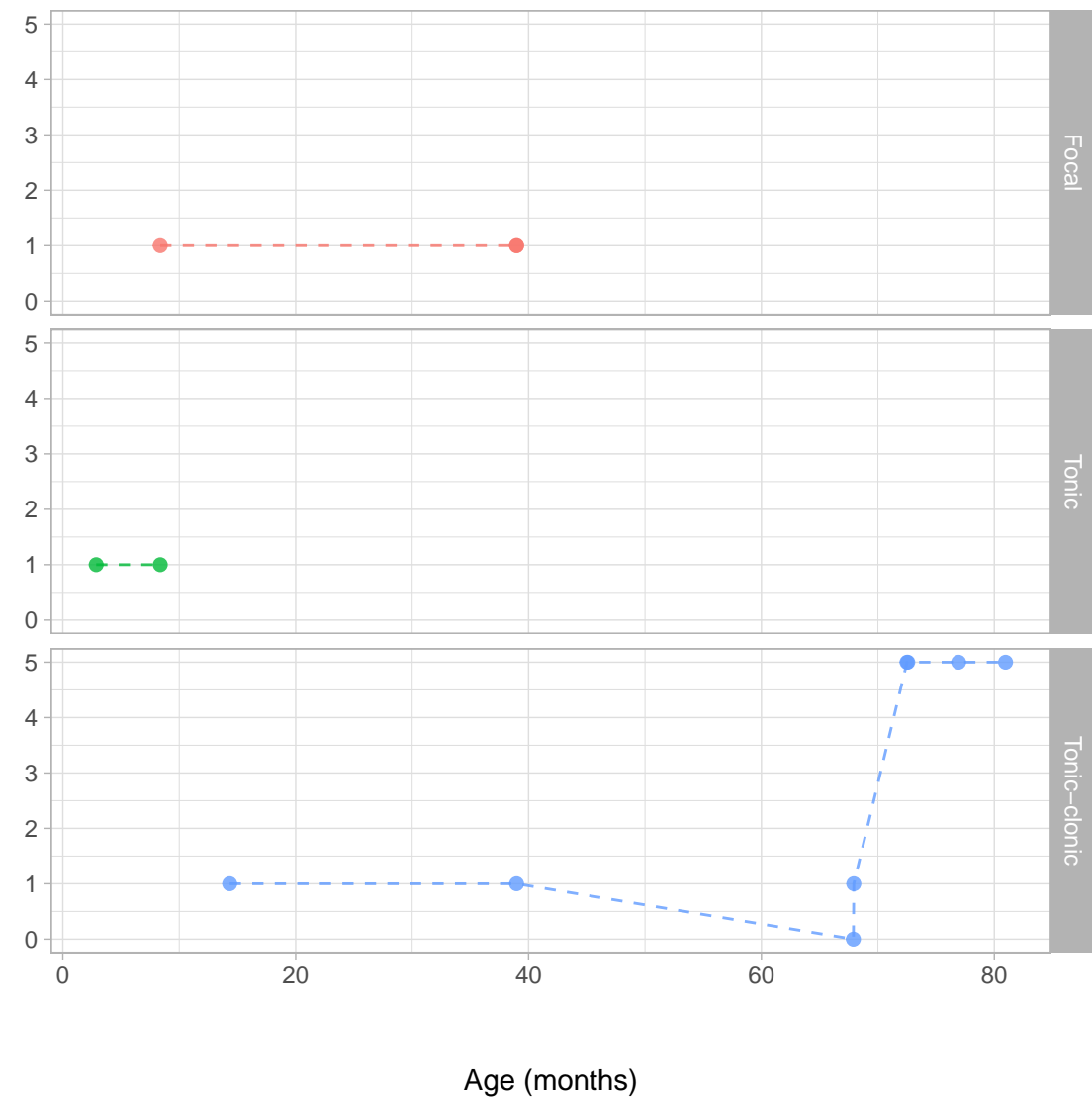
5ba9555a-4f9c-45fa-945f-02c679614e18 (p.Glu1381Lys)



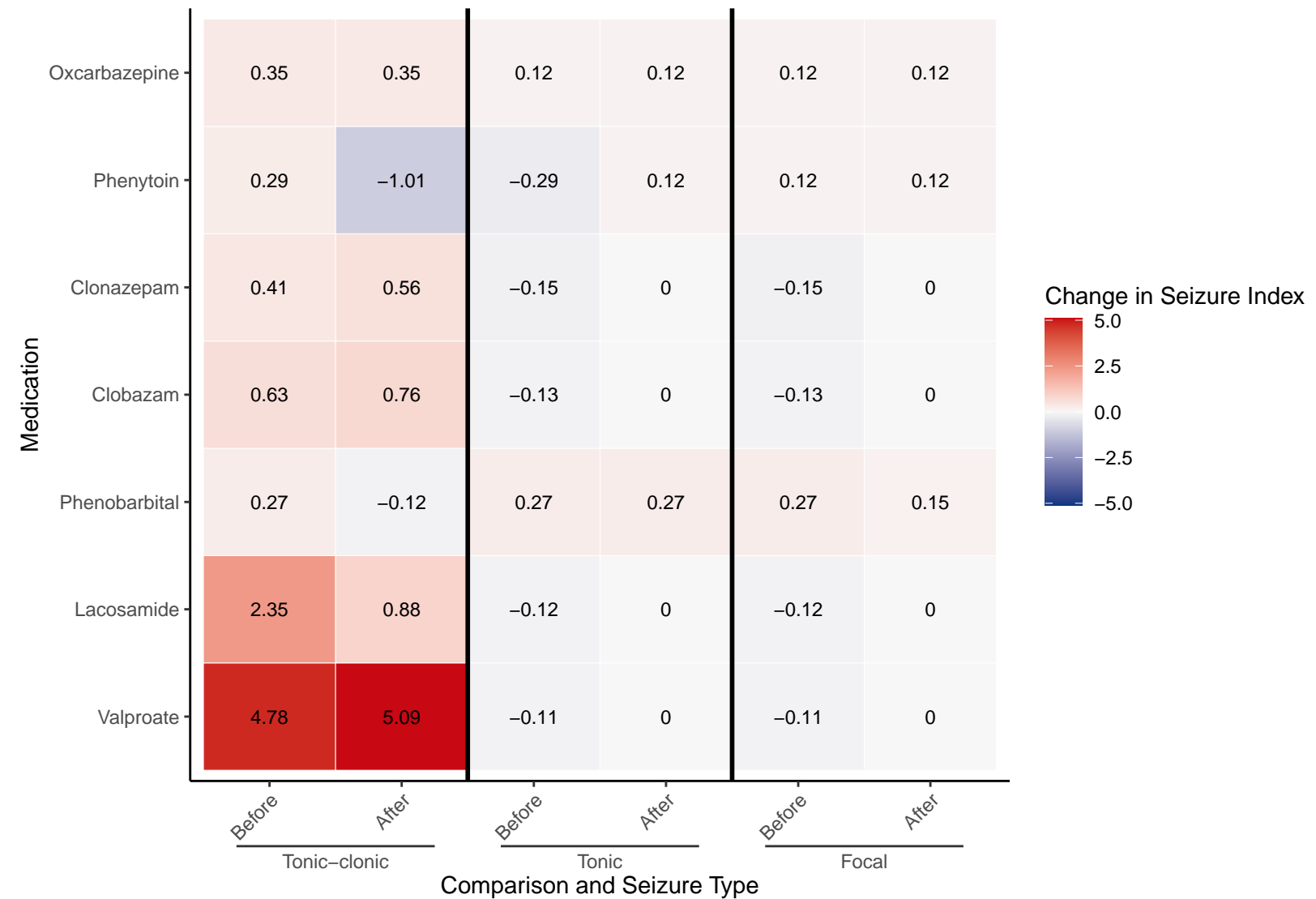




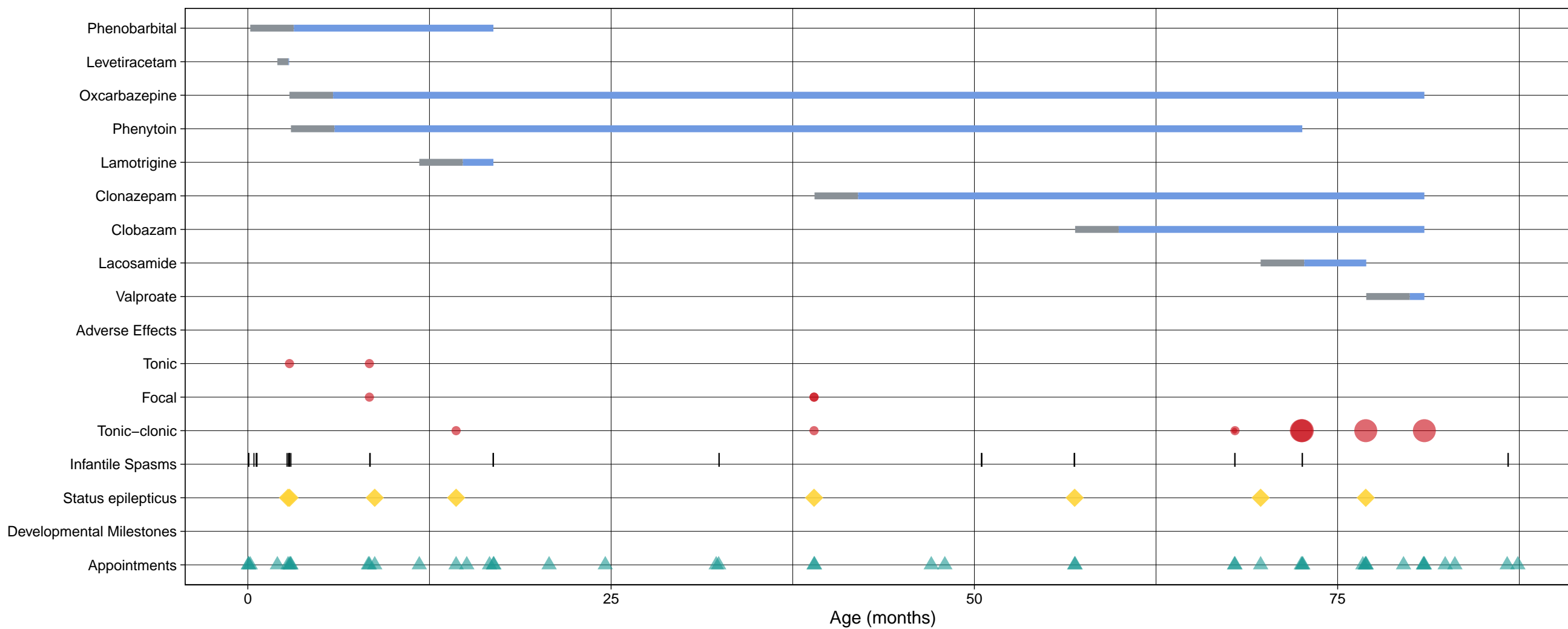
Seizure Index



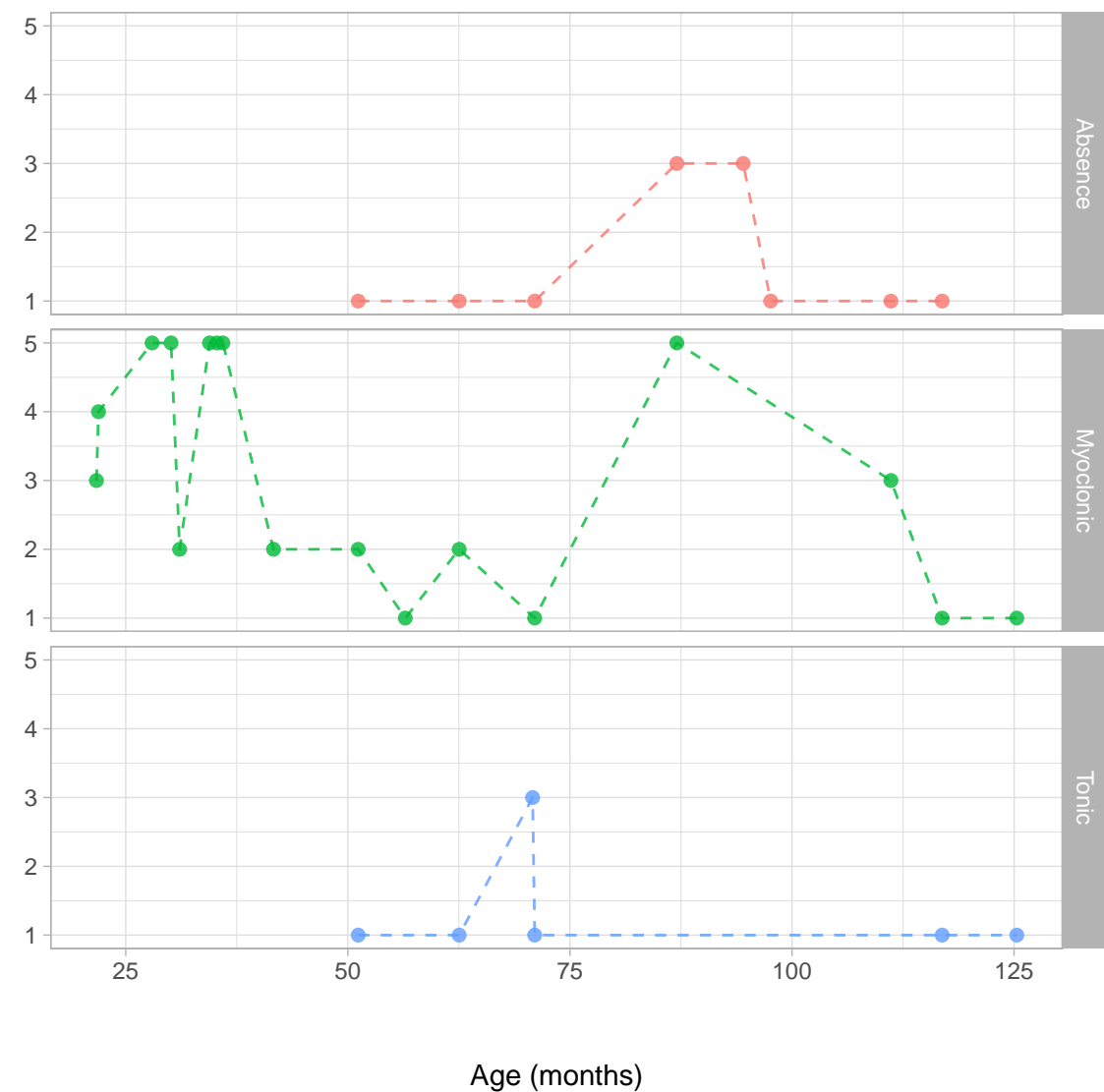
Seizure Index Comparisons



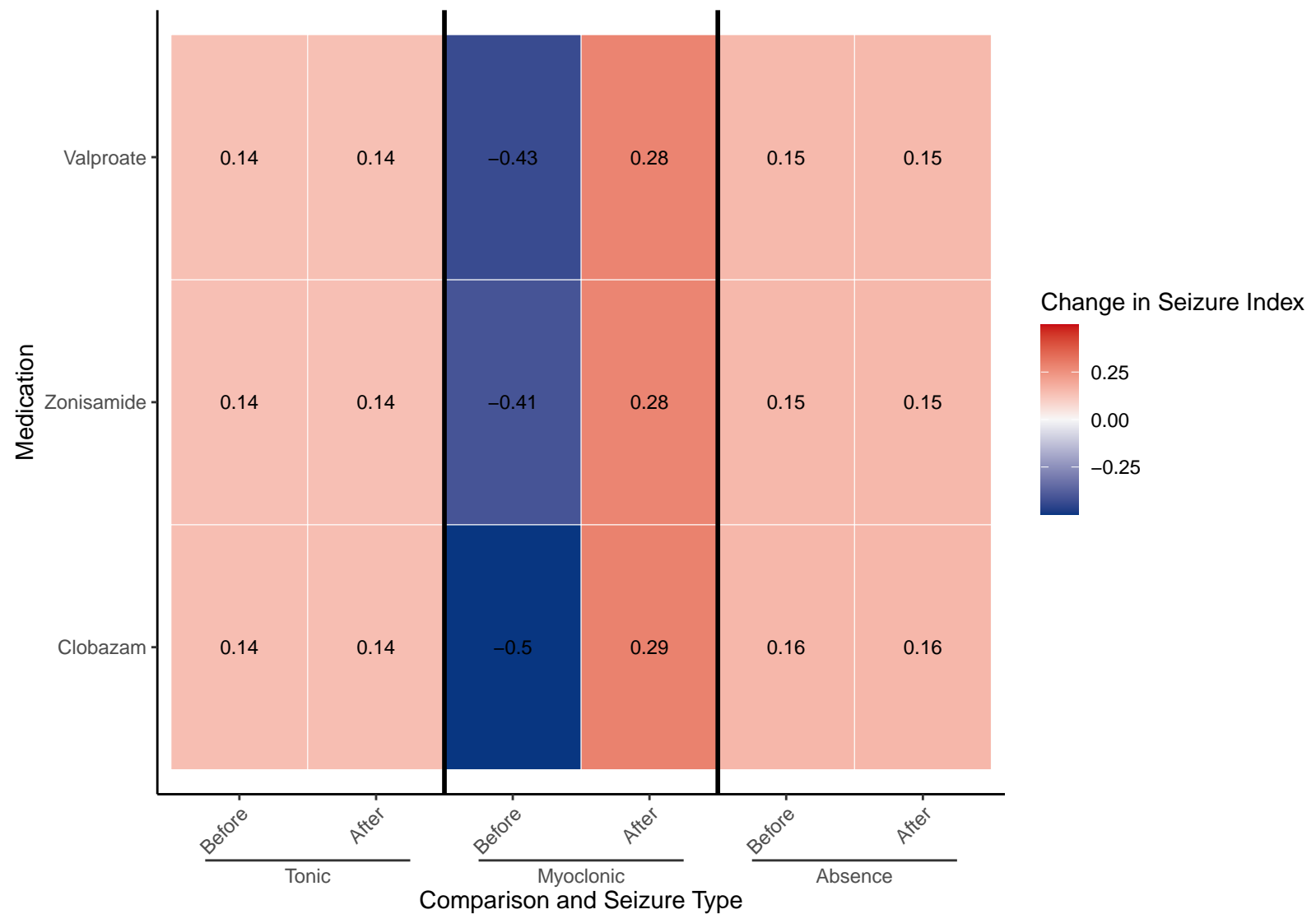
0cccd19cb-69fa-491f-97c7-14fd3f1dcef5 (p.Ile1479Val)



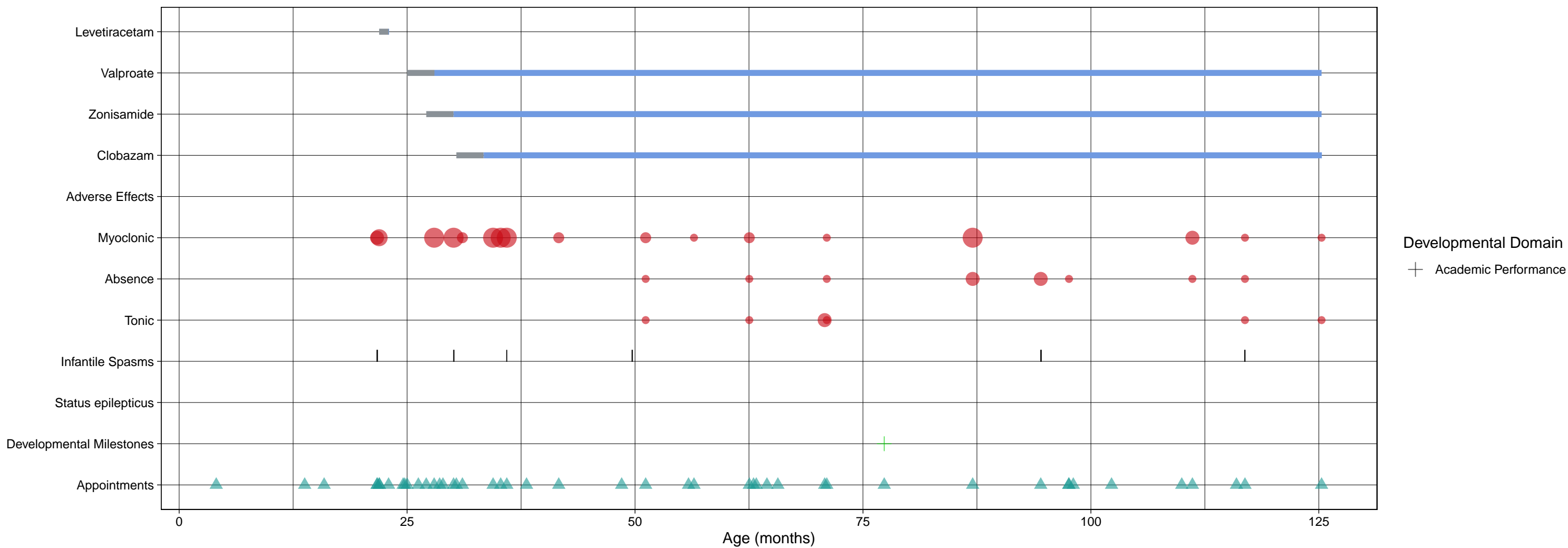
Seizure Index



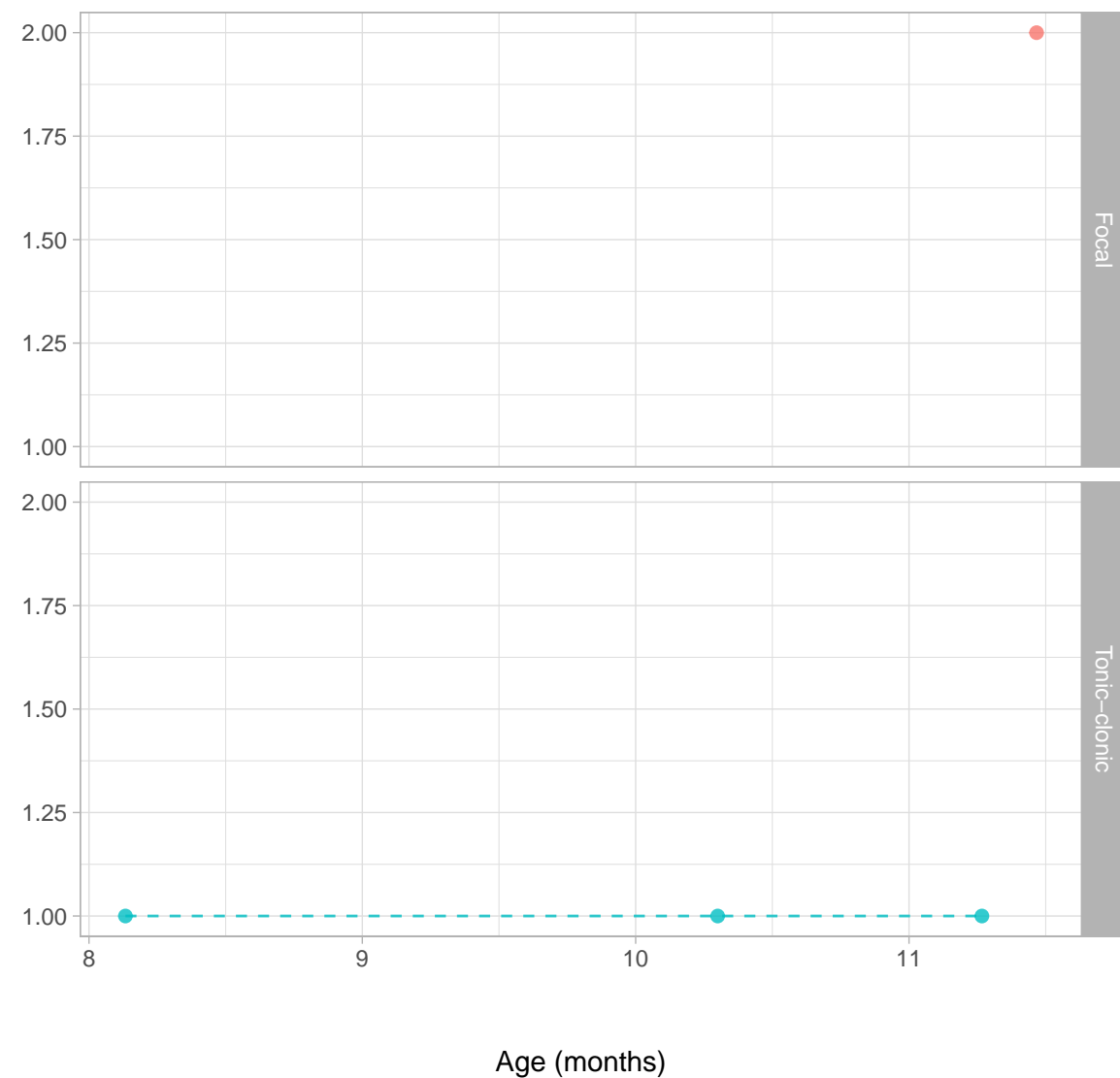
Seizure Index Comparisons



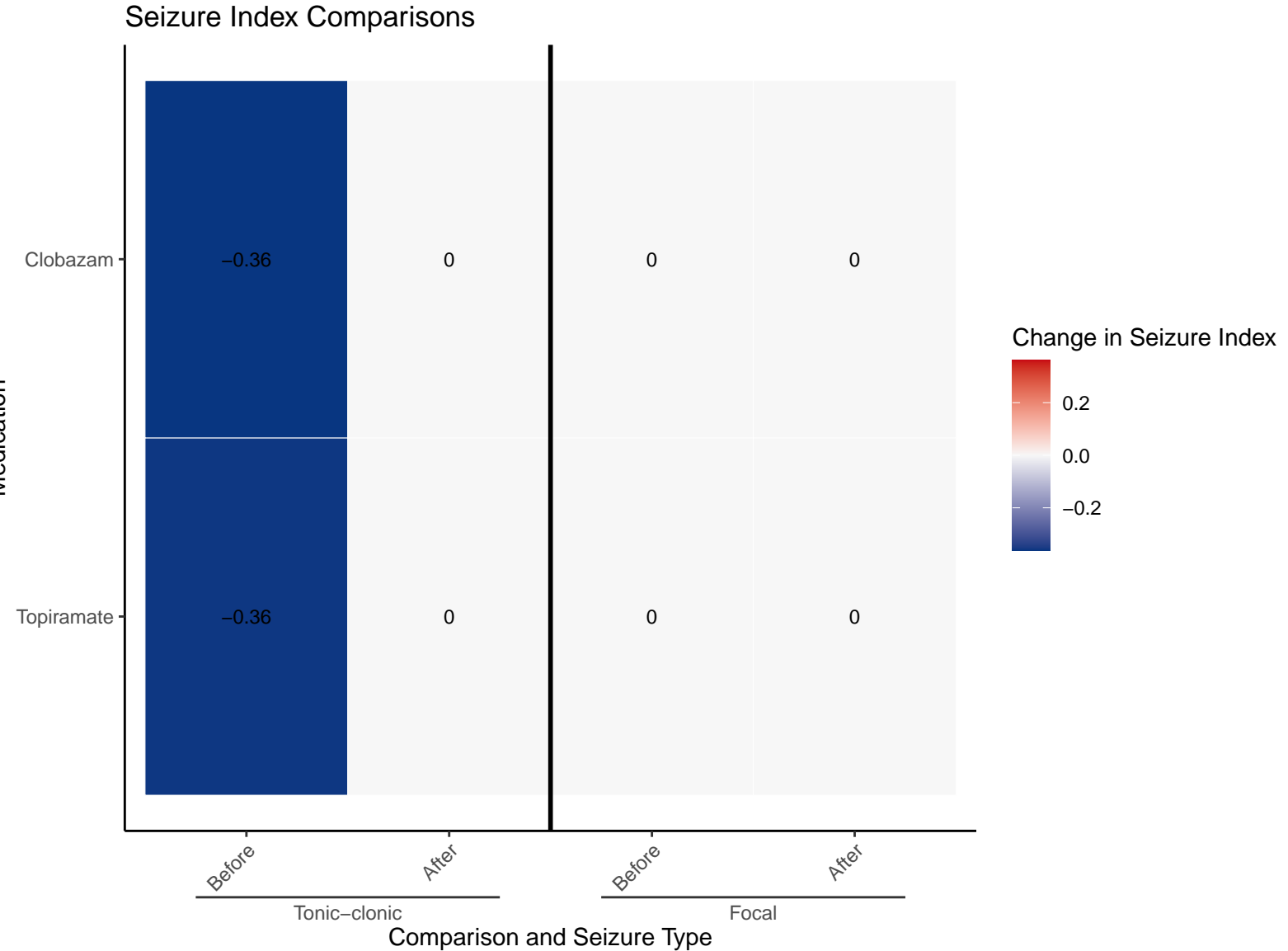
47c27adc-27bd-41df-b39c-ae70495716cb (p.Ile1594Leu)



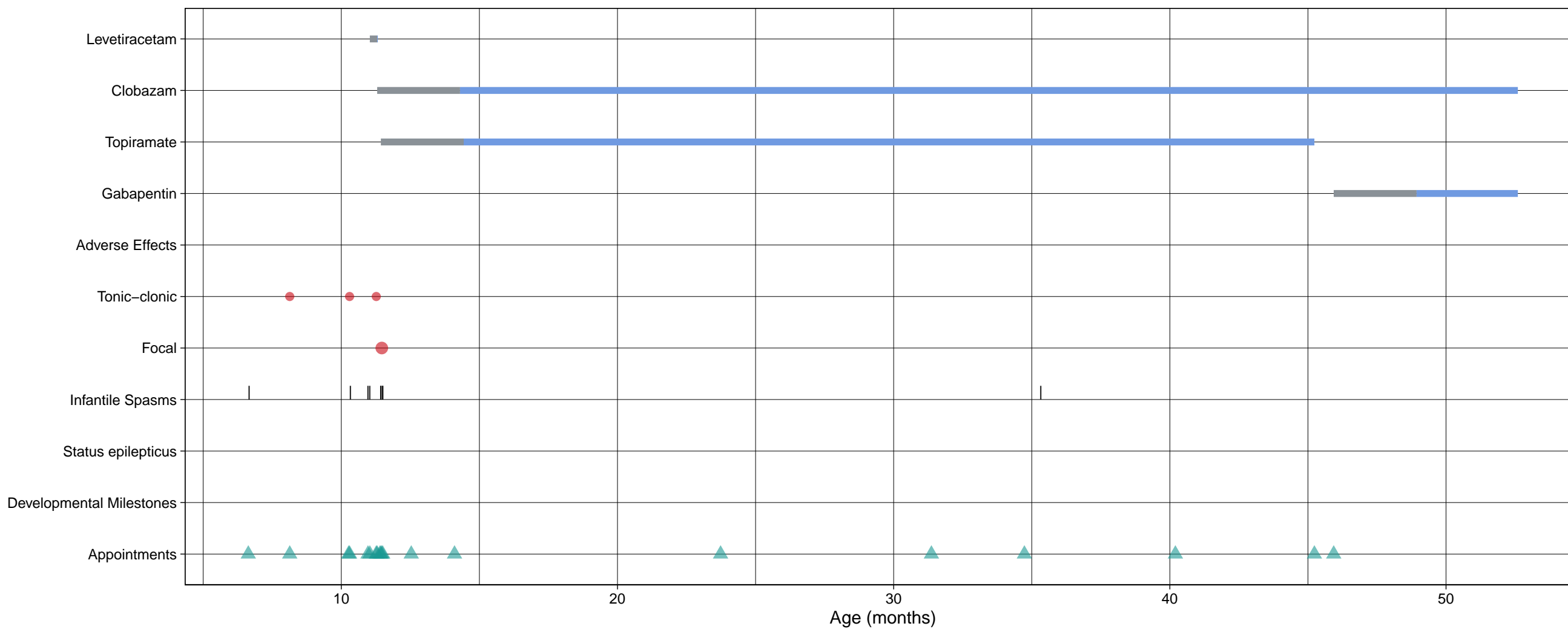
Seizure Index



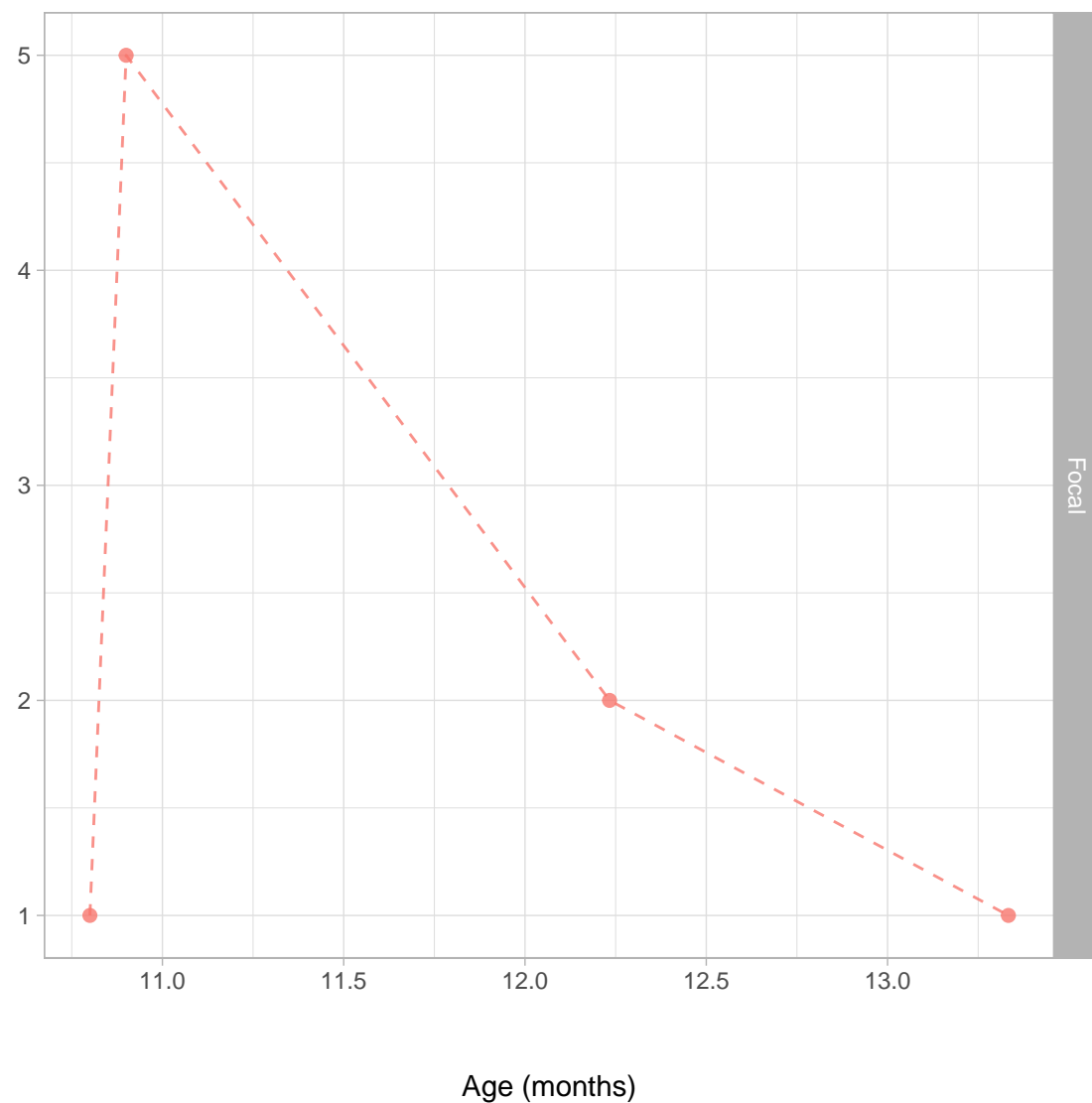
Medication



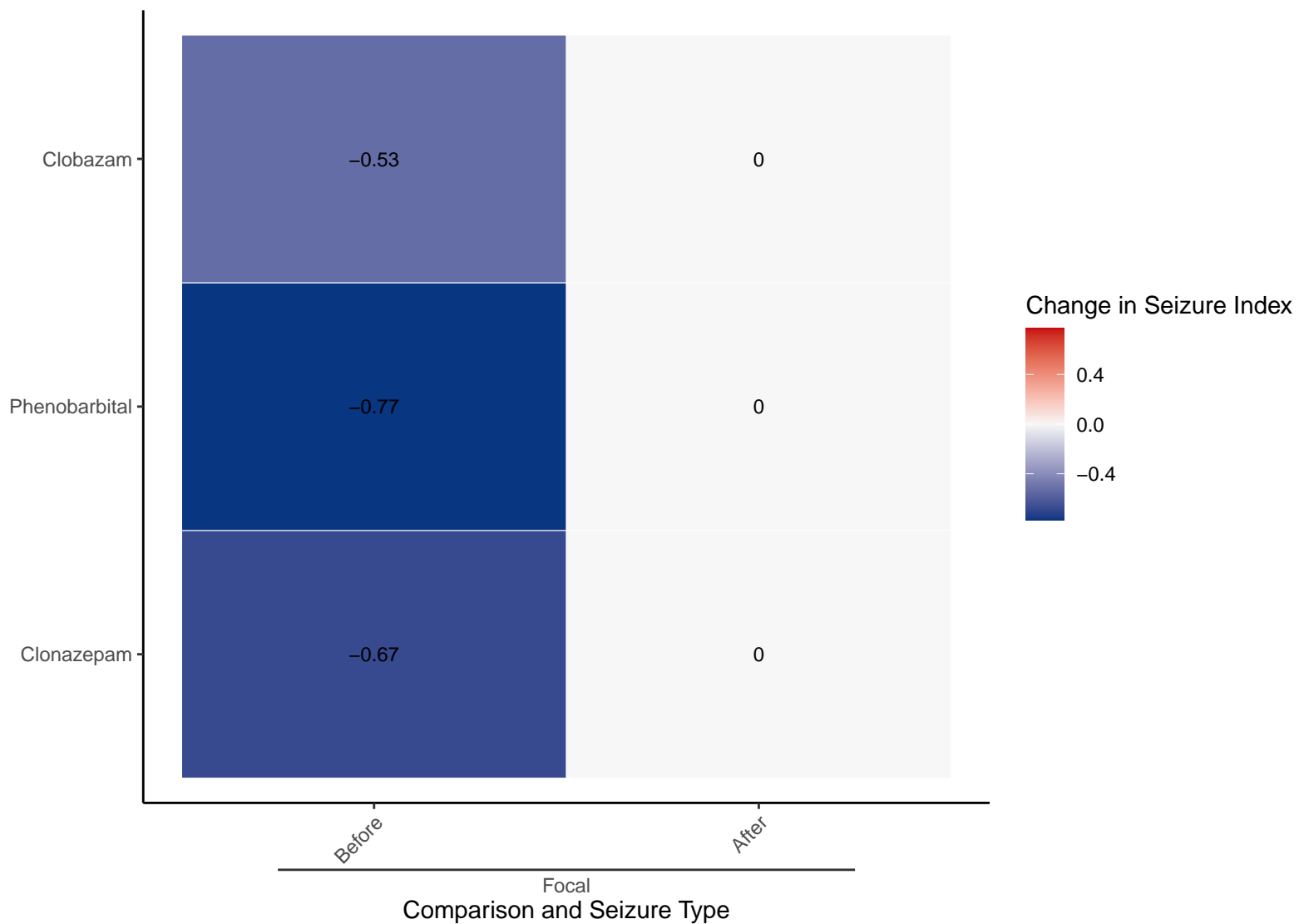
e390a903-b1c2-4170-bb17-b6f37e370716 (p.Glu1607Lys)



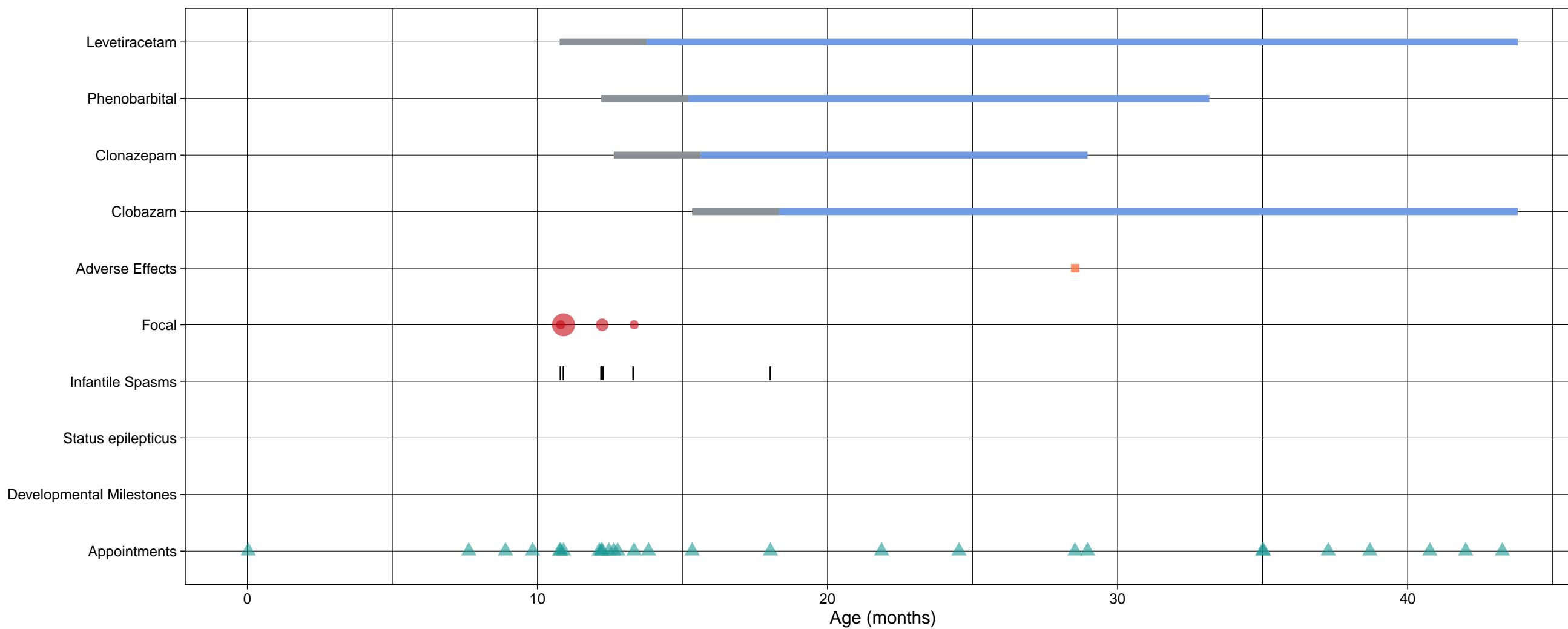
Seizure Index



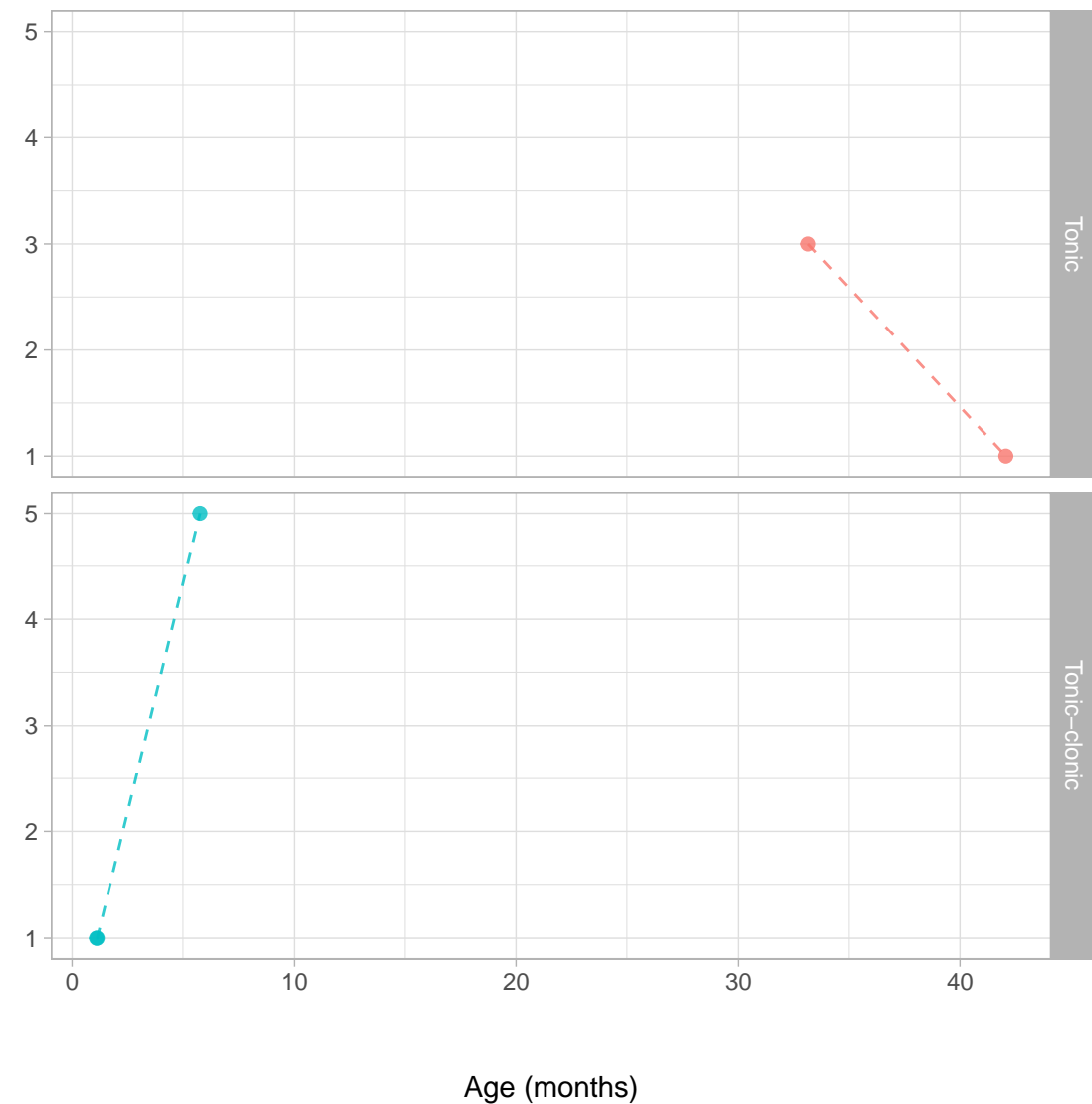
Medication



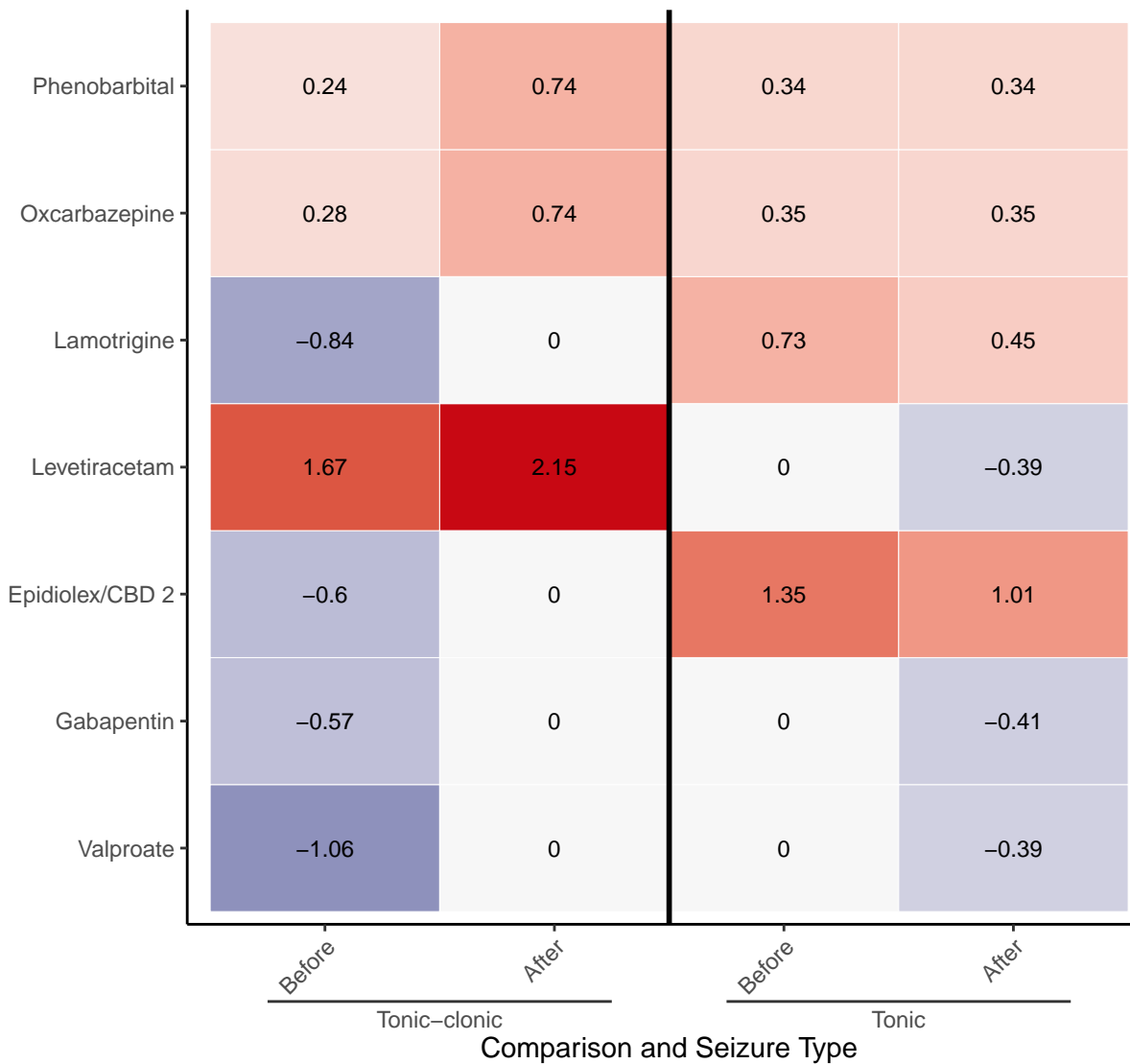
fb67ec01-0ced-4abb-a71e-07621dc999ce (p.Asp1720Thrfs*4)



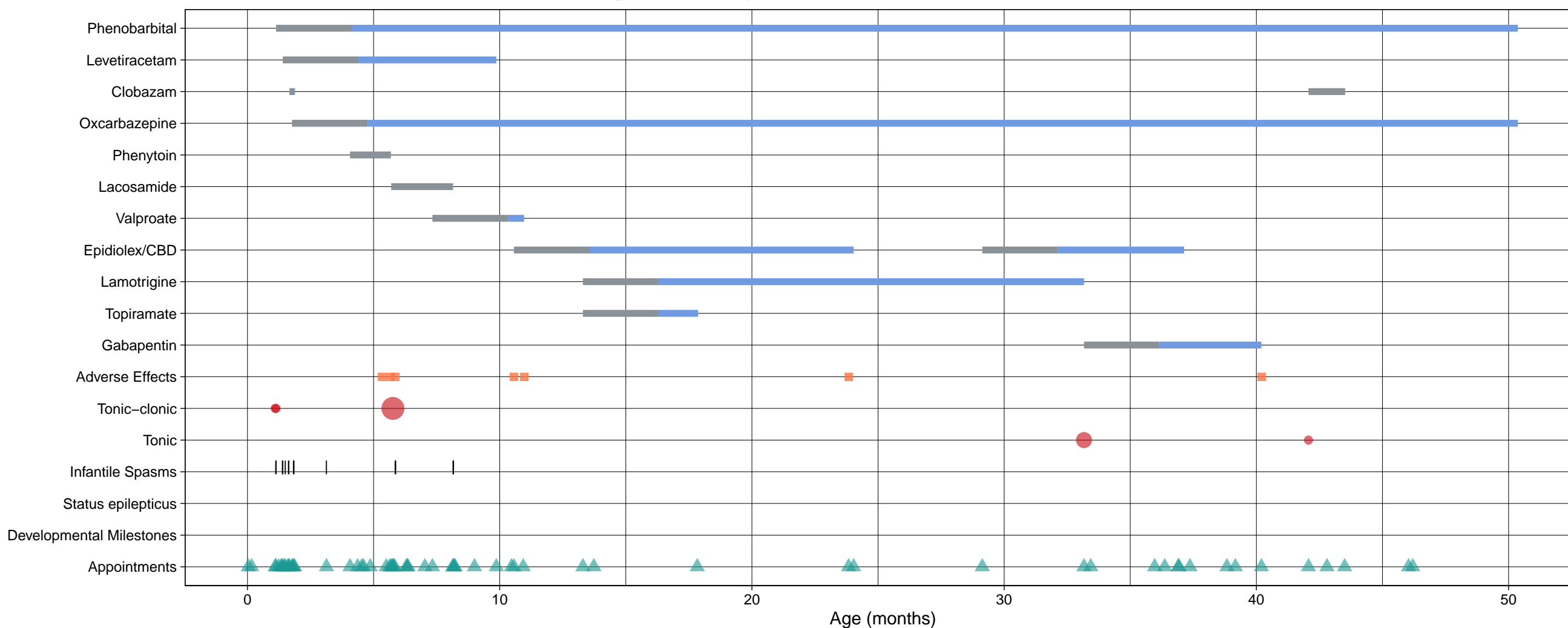
Seizure Index



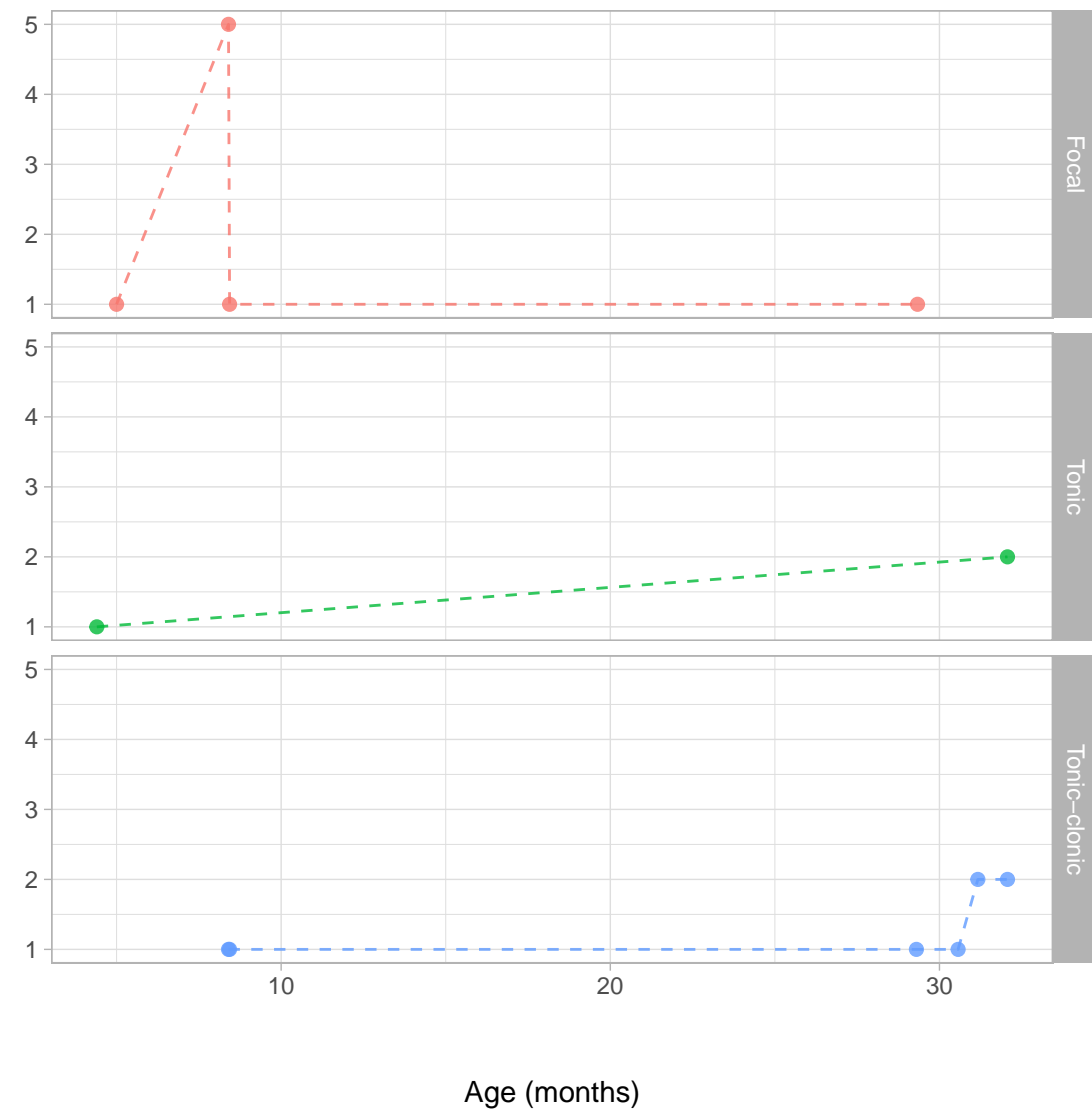
Medication



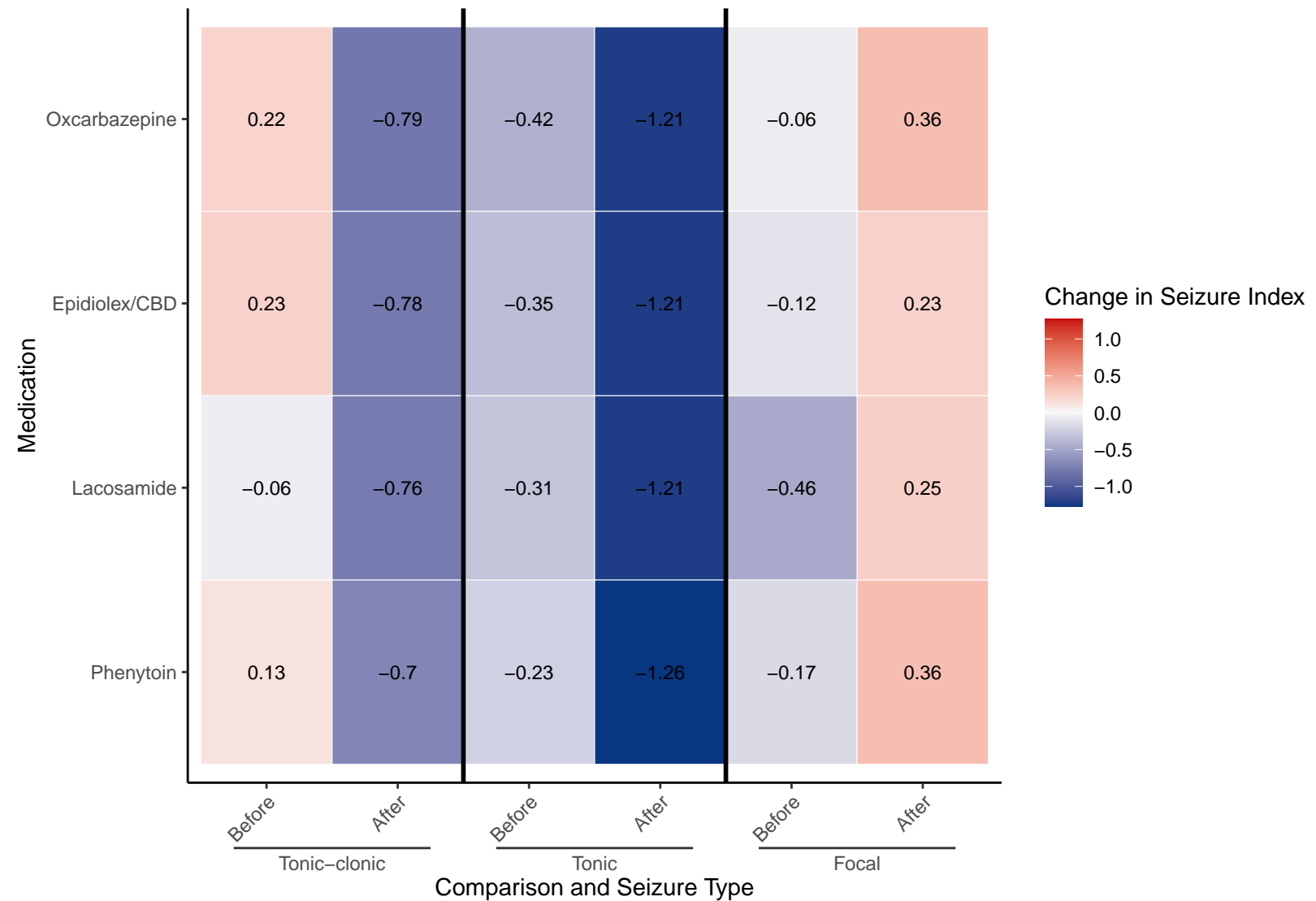
324c6ea2-b518-482e-ad72-6e5d1c365504 (p.Asn1759His)



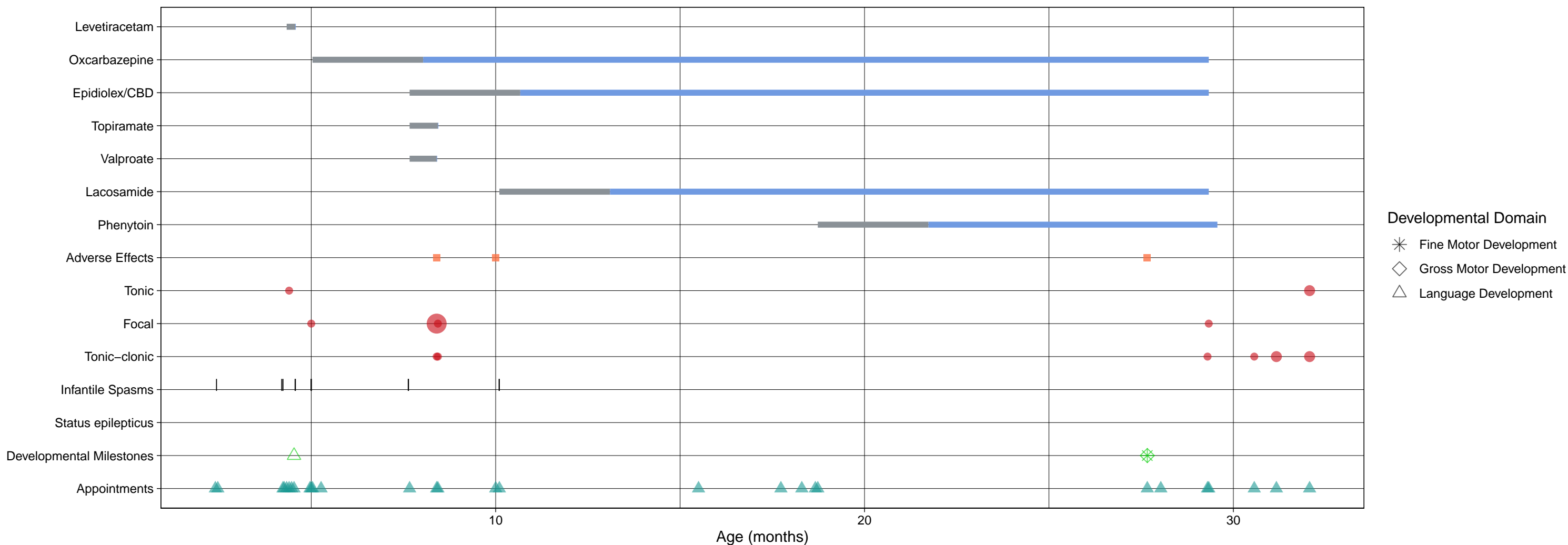
Seizure Index



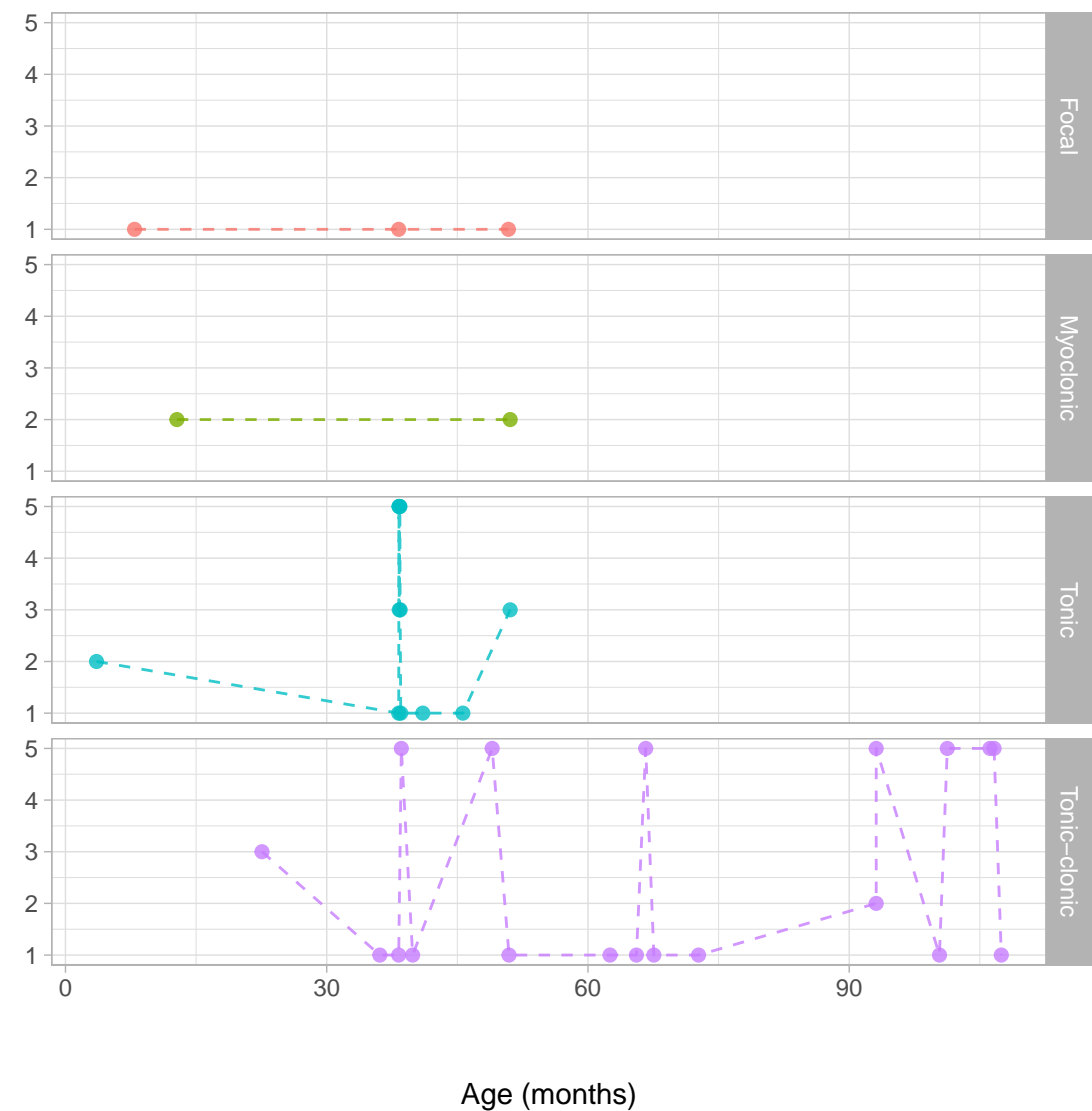
Seizure Index Comparisons



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



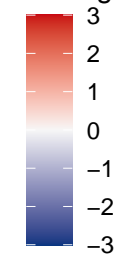
Seizure Index



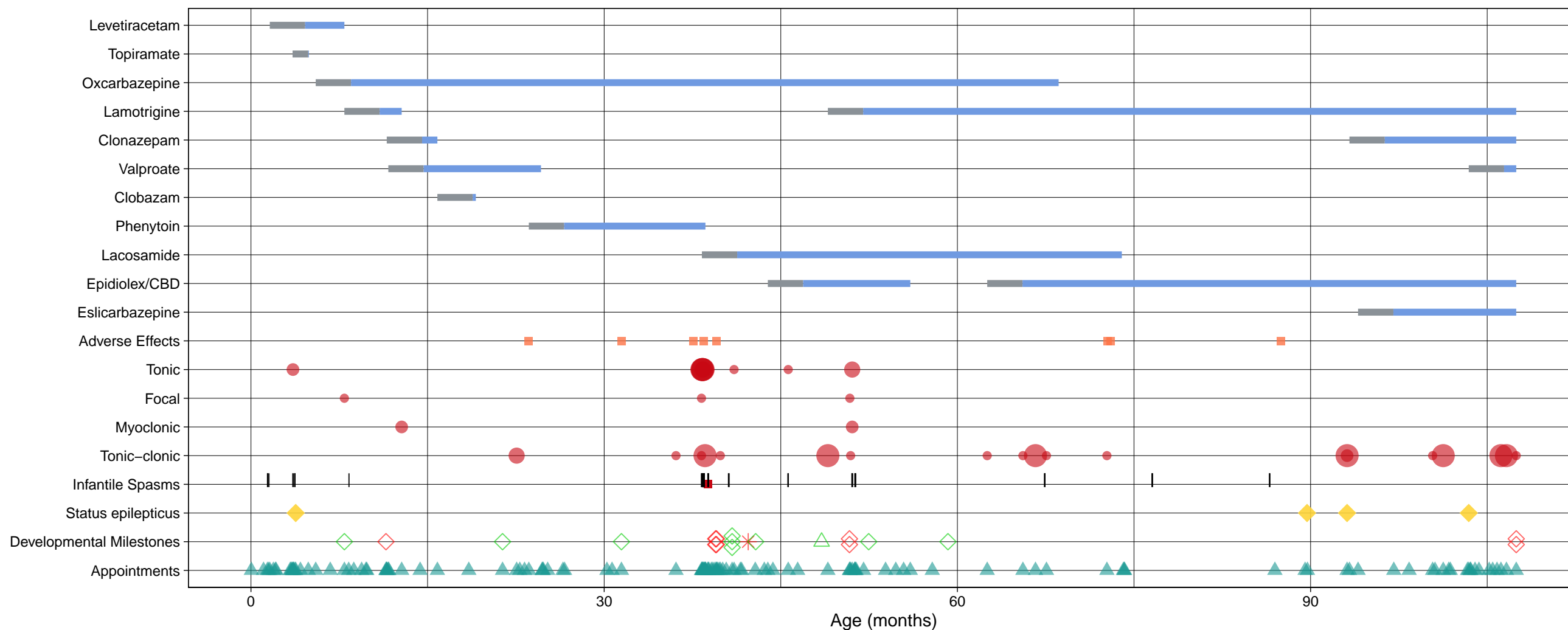
Seizure Index Comparisons

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



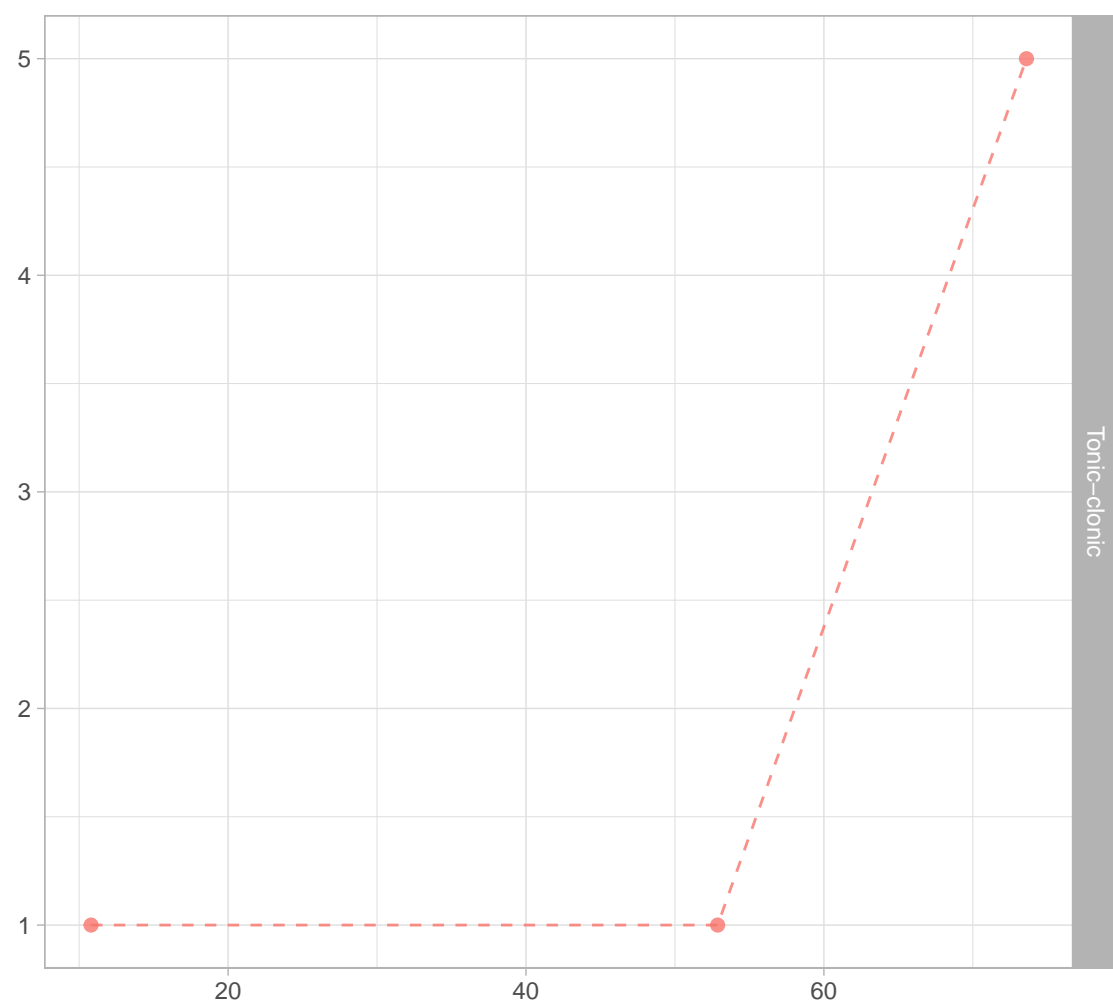
04b83955-018d-4b04-bae8-e77615820a58 (p.Arg1872Leu)



Developmental Domain

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

Seizure Index

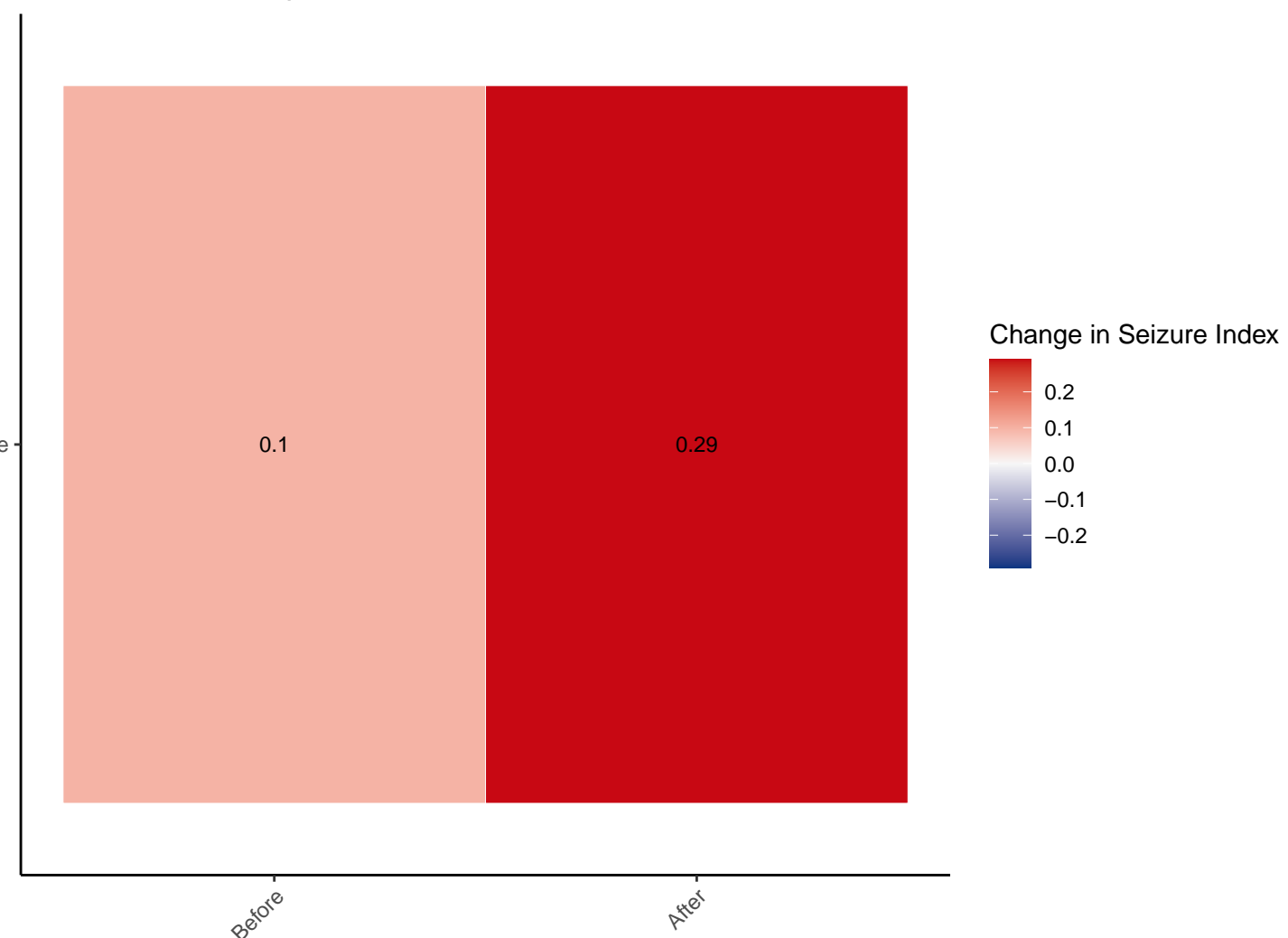


Age (months)

Medication

Lamotrigine

Seizure Index Comparisons



Comparison and Seizure Type

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

