

### S3 EMT specificity and sensitiv

Fraction	Distance upstream	fractional_networks_0.1	fractional_networks_0.3
Gamma 10 all	1kb	0.751076923	0.661692308
Gamma 10 fixed	1kb	0.729724771	0.572477064
Gamma 10 snail	1kb	0.66375	0.62875
Gamma 10 tgfb	1kb	0.75	0.622307692
Gamma 11 all	1kb	0.842346939	0.731632653
Gamma 11 fixed	1kb	0.738938053	0.542654867
Gamma 11 snail	1kb	0.780377358	0.638490566
Gamma 11 tgfb	1kb	0.844516129	0.702903226
Gamma 11 zeb1	1kb	0.795	0.7775
Gamma 12 all	1kb	0.8586	0.7384
Gamma 12 fixed	1kb	0.757821782	0.593465347
Gamma 12 snail	1kb	0.76027027	0.608918919
Gamma 12 tgfb	1kb	0.813055556	0.667361111
Gamma 12 zeb1	1kb	0.606976744	0.52744186
Gamma 13 all	1kb	0.848957746	0.724788732
Gamma 13 fixed	1kb	0.757623762	0.593861386
Gamma 13 snail	1kb	0.741891892	0.6
Gamma 13 tgfb	1kb	0.814105263	0.660315789
Gamma 13 zeb1	1kb	0.74	0.597446809
Gamma 14 all	1kb	0.852195122	0.717560976
Gamma 14 fixed	1kb	0.757425743	0.593861386
Gamma 14 snail	1kb	0.730263158	0.593421053
Gamma 14 tgfb	1kb	0.81773399	0.652118227
Gamma 14 zeb1	1kb	0.692592593	0.565185185
Gamma 15 all	1kb	0.85203252	0.717831978
Gamma 15 fixed	1kb	0.757425743	0.593861386
Gamma 15 snail	1kb	0.730263158	0.593684211
Gamma 15 tgfb	1kb	0.817536946	0.652118227
Gamma 15 zeb1	1kb	0.692222222	0.566296296
Gamma 10 all	3kb	0.765901639	0.682131148
Gamma 10 fixed	3kb	0.732038835	0.596116505
Gamma 10 snail	3kb	0.724615385	0.664615385
Gamma 10 tgfb	3kb	0.7672	0.6376
Gamma 11 all	3kb	0.849787234	0.750638298
Gamma 11 fixed	3kb	0.743619048	0.56
Gamma 11 snail	3kb	0.778367347	0.652244898
Gamma 11 tgfb	3kb	0.827096774	0.679354839
Gamma 11 zeb1	3kb	0.695	0.77
Gamma 12 all	3kb	0.866137931	0.744206897
Gamma 12 fixed	3kb	0.775	0.607083333
Gamma 12 snail	3kb	0.726666667	0.60115942
Gamma 12 tgfb	3kb	0.831641791	0.685074627
Gamma 12 zeb1	3kb	0.707894737	0.568947368
Gamma 13 all	3kb	0.854943182	0.731477273
Gamma 13 fixed	3kb	0.774583333	0.607083333
Gamma 13 snail	3kb	0.720869565	0.603478261
Gamma 13 tgfb	3kb	0.81712766	0.67
Gamma 13 zeb1	3kb	0.663389831	0.521694915
Gamma 14 all	3kb	0.849972752	0.719073569
Gamma 14 fixed	3kb	0.774583333	0.607291667
Gamma 14 snail	3kb	0.705428571	0.590285714
Gamma 14 tgfb	3kb	0.811457286	0.659095477
Gamma 14 zeb1	3kb	0.661694915	0.519322034
Gamma 15 all	3kb	0.849972752	0.719182561

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Gamma 15 fixed	3kb	0.774583333	0.607083333
Gamma 15 snail	3kb	0.706	0.590857143
Gamma 15 tgfb	3kb	0.811256281	0.659095477
Gamma 15 zeb1	3kb	0.661694915	0.519322034
Gamma 10 all	5kb	0.80368	0.68704
Gamma 10 fixed	5kb	0.768076923	0.594615385
Gamma 10 snail	5kb	0.725882353	0.654117647
Gamma 10 tgfb	5kb	0.868181818	0.715454545
Gamma 11 all	5kb	0.857659574	0.755531915
Gamma 11 fixed	5kb	0.768148148	0.566481481
Gamma 11 snail	5kb	0.8	0.672244898
Gamma 11 tgfb	5kb	0.84	0.691428571
Gamma 11 zeb1	5kb	0.6675	0.695
Gamma 12 all	5kb	0.879106529	0.751821306
Gamma 12 fixed	5kb	0.812653061	0.613469388
Gamma 12 snail	5kb	0.789230769	0.649846154
Gamma 12 tgfb	5kb	0.845038168	0.678015267
Gamma 12 zeb1	5kb	0.653809524	0.574285714
Gamma 13 all	5kb	0.853704735	0.724568245
Gamma 13 fixed	5kb	0.812653061	0.613469388
Gamma 13 snail	5kb	0.786969697	0.642727273
Gamma 13 tgfb	5kb	0.799473684	0.652947368
Gamma 13 zeb1	5kb	0.657931034	0.519655172
Gamma 14 all	5kb	0.850483871	0.714784946
Gamma 14 fixed	5kb	0.812653061	0.613469388
Gamma 14 snail	5kb	0.781212121	0.642727273
Gamma 14 tgfb	5kb	0.793300493	0.640591133
<b>Gamma 14 zeb1</b>	<b>5kb</b>	<b>0.659655172</b>	<b>0.521034483</b>
Gamma 15 all	5kb	0.850483871	0.714516129
Gamma 15 fixed	5kb	0.812653061	0.613469388
Gamma 15 snail	5kb	0.781212121	0.642424242
Gamma 15 tgfb	5kb	0.793004926	0.640295567
Gamma 15 zeb1	5kb	0.659655172	0.519655172
Gamma 10 fixed	10kb	0.763883495	0.610097087
Gamma 10 snail	10kb	0.76	0.745
Gamma 10 tgfb	10kb	0.827619048	0.74952381
Gamma 11 all	10kb	0.877282609	0.76826087
Gamma 11 fixed	10kb	0.821372549	0.609411765
Gamma 11 snail	10kb	0.822608696	0.636956522
Gamma 11 tgfb	10kb	0.807333333	0.694333333
Gamma 11 zeb1	10kb	0.745714286	0.765714286
Gamma 12 all	10kb	0.882307692	0.753706294
Gamma 12 fixed	10kb	0.800990099	0.606732673
Gamma 12 snail	10kb	0.777777778	0.606666667
Gamma 12 tgfb	10kb	0.856585366	0.697886179
Gamma 12 zeb1	10kb	0.682631579	0.607368421
Gamma 13 all	10kb	0.871747851	0.735931232
Gamma 13 fixed	10kb	0.802244898	0.618571429
Gamma 13 snail	10kb	0.78	0.6109375
Gamma 13 tgfb	10kb	0.847231638	0.682485876
Gamma 13 zeb1	10kb	0.674615385	0.582307692
Gamma 14 all	10kb	0.867768595	0.725248777
Gamma 14 fixed	10kb	0.802244898	0.618700541
Gamma 14 snail	10kb	0.761538462	0.600313972
Gamma 14 tgfb	10kb	0.844479167	0.67017432

### S3 EMT specificity and sensitiv

Gamma 14 zeb1	10kb	0.670566038	0.576434347
Gamma 15 all	10kb	0.867127072	0.724972376
Gamma 15 fixed	10kb	0.802244898	0.618571429
Gamma 15 snail	10kb	0.760307692	0.597230769
Gamma 15 tgfb	10kb	0.843664921	0.669947644
Gamma 15 zeb1	10kb	0.670188679	0.578113208

### S3 EMT specificity and sensitiv

fractional_networks_0.5	Average spec	Title	Average Specificity per gamma
0.563692308	0.658820513		
0.390091743	0.564097859		
0.59625	0.629583333		
0.546153846	0.639487179	1kb Gamma 10	0.622997221
0.613673469	0.729217687		
0.397522124	0.559705015		
0.484150943	0.634339623		
0.556129032	0.701182796		
0.69	0.754166667	1kb Gamma 11	0.675722357
0.588666667	0.728555556		
0.432475248	0.594587459		
0.447027027	0.605405405		
0.518611111	0.666342593		
0.408372093	0.514263566	1kb Gamma 12	0.621830916
0.56456338	0.712769953		
0.432475248	0.594653465		
0.44	0.593963964		
0.503157895	0.659192982		
0.42	0.585815603	1kb Gamma 13	0.629279194
0.558482385	0.709412827		
0.432673267	0.594653465		
0.435789474	0.586491228		
0.495862069	0.655238095		
0.402962963	0.553580247	1kb Gamma 14	0.619875173
0.558157182	0.70934056		
0.432475248	0.594587459		
0.435789474	0.586578947		
0.49546798	0.655041051		
0.402592593	0.553703704	1kb Gamma 15	0.619850344
0.589672131	0.679234973		
0.413592233	0.580582524		
0.621538462	0.67025641		
0.5416	0.6488	3kb Gamma 10	0.644718477
0.630106383	0.743510638		
0.415238095	0.572952381		
0.488979592	0.639863946		
0.523548387	0.676666667		
0.68	0.715	3kb Gamma 11	0.669598726
0.588206897	0.732850575		
0.446458333	0.609513889		
0.450724638	0.592850242		
0.508656716	0.675124378		
0.424736842	0.567192982	3kb Gamma 12	0.635506413
0.559545455	0.71532197		
0.446666667	0.609444444		
0.445217391	0.589855072		
0.48287234	0.656666667		
0.374915254	0.52	3kb Gamma 13	0.618257631
0.551662125	0.706902816		
0.446666667	0.609513889		
0.436857143	0.57752381		
0.47678392	0.649112228		
0.371186441	0.51740113	3kb Gamma 14	0.612090774
0.551498638	0.70688465		

S3 EMT specificity and sensitiv

0.446666667	0.609444444		
0.437428571	0.578095238		
0.47678392	0.649045226		
0.371864407	0.517627119	3kb Gamma 15	0.612219336
0.59728	0.696		
0.4275	0.596730769		
0.592941176	0.657647059		
0.652727273	0.745454545	5kb Gamma 10	0.673958093
0.633723404	0.748971631		
0.42	0.584876543		
0.475102041	0.649115646		
0.539285714	0.690238095		
0.6275	0.663333333	5kb Gamma 11	0.66730705
0.598213058	0.743046964		
0.454489796	0.626870748		
0.436923077	0.625333333		
0.523816794	0.682290076		
0.424761905	0.550952381	5kb Gamma 12	0.645698701
0.565738162	0.714670381		
0.454285714	0.626802721		
0.426969697	0.618888889		
0.495052632	0.649157895		
0.368275862	0.515287356	5kb Gamma 13	0.624961448
0.558978495	0.708082437		
0.454489796	0.626870748		
0.427272727	0.617070707		
0.488078818	0.640656814		
<b>0.371724138</b>	<b>0.517471264</b>	<b>5kb Gamma 14</b>	<b>0.622030394</b>
0.558655914	0.707885305		
0.454489796	0.626870748		
0.427272727	0.616969697		
0.487881773	0.640394089		
0.37137931	0.516896552	5kb Gamma 15	0.621803278
0.430485437	0.601488673		
0.641666667	0.715555556		
0.606666667	0.727936508	10KB Gamma 10	0.681660246
0.630217391	0.758586957		
0.431372549	0.620718954		
0.474782609	0.644782609		
0.524666667	0.675444444		
0.685714286	0.732380952	10KB Gamma 11	0.686382783
0.596433566	0.744149184		
0.431683168	0.613135314		
0.438095238	0.607513228		
0.526504065	0.693658537		
0.444210526	0.578070175	10kb Gamma 12	0.647305287
0.568252149	0.725310411		
0.44	0.620272109		
0.4284375	0.606458333		
0.502485876	0.67740113		
0.423076923	0.56	10kb Gamma 13	0.637888397
0.562479339	0.718498904		
0.44	0.620315146		
0.420615385	0.594155939		
0.496666667	0.670440051		

### S3 EMT specificity and sensitiv

0.419622642	0.555541009	10kb Gamma 14	0.63179021
0.562044199	0.718047882		
0.44	0.620272109		
0.420923077	0.592820513		
0.496125654	0.66991274		
0.419622642	0.555974843	10kb Gamma 15	0.631405617

### S3 EMT specificity and sensitiv

fractional_networks_0.1	fractional_networks_0.3	fractional_networks_0.5	Average Sensitivity
0.838661818	0.651527281	0.485811594	0.658666898
0.898366742	0.856809967	0.839897406	0.865024705
0.534049383	0.269507816	0.199793735	0.334450311
0.626840535	0.390970776	0.212263303	0.410024871
0.801609689	0.656061462	0.569616595	0.675762582
0.912393702	0.911738607	0.904497704	0.909543338
0.64409743	0.532213457	0.49915808	0.558489656
0.679703623	0.423257789	0.303975307	0.468978906
0.370917999	0.211135424	0.143763274	0.241938899
0.85207079	0.798697383	0.766223139	0.805663771
0.909737975	0.896916044	0.878139595	0.894931205
0.779194239	0.672760806	0.622014108	0.691323051
0.767551459	0.660836862	0.569830897	0.666073073
0.579833672	0.45313372	0.434222531	0.489063308
0.898377661	0.866745168	0.853384953	0.872835927
0.909720763	0.897491689	0.878139595	0.895117349
0.749694848	0.648372542	0.61059264	0.669553344
0.847642374	0.7683286	0.707806333	0.774592436
0.679176856	0.540380477	0.478004688	0.565854007
0.9084163	0.89172099	0.876867588	0.892334959
0.909698355	0.897491689	0.878176181	0.895122075
0.753751313	0.658736079	0.619768163	0.677418518
0.864970445	0.810523334	0.744201635	0.806565138
0.7175634	0.586449407	0.525148387	0.609720398
0.908448649	0.89210345	0.876492404	0.892348168
0.909698355	0.897491689	0.878139595	0.89510988
0.754136742	0.659084042	0.619679153	0.677633312
0.864940759	0.810409979	0.744316169	0.806555635
0.7172509	0.587511812	0.523835378	0.609532697
0.858311982	0.657697348	0.487719907	0.667909745
0.897548868	0.893114636	0.848924324	0.879862609
0.563394503	0.239553582	0.176689885	0.32654599
0.658877099	0.388902742	0.209279322	0.419019721
0.837256834	0.665478723	0.5727889	0.691841485
0.909707838	0.908809249	0.888557794	0.902358294
0.694973468	0.534455464	0.473017601	0.567482178
0.681365792	0.419696202	0.299503564	0.466855186
0.363859304	0.223769411	0.140660586	0.2427631
0.857868897	0.799486269	0.750624479	0.802659882
0.901452944	0.901854914	0.875406195	0.892904684
0.749472548	0.67359482	0.598892871	0.673986746
0.765484137	0.635786612	0.534965547	0.645412099
0.628230879	0.461980154	0.393303117	0.494504716
0.91138131	0.884352877	0.854659812	0.883464666
0.901398962	0.901854914	0.875448478	0.892900785
0.732129574	0.670298449	0.588381514	0.663603179
0.85562542	0.764720788	0.697317824	0.772554677
0.784459256	0.636301806	0.540148465	0.653636509
0.921302445	0.906267377	0.877221055	0.901596959
0.901398962	0.90189221	0.875448478	0.892913217
0.728409597	0.666206077	0.584043492	0.659553055
0.859981022	0.795883886	0.72792831	0.794597739
0.772256253	0.632076897	0.531951035	0.645428062
0.921358277	0.906588556	0.878424995	0.902123943

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0.901398962	0.901854914	0.875448478	0.892900785
0.729333102	0.665822541	0.585674408	0.660276684
0.859860857	0.796771145	0.728348905	0.794993636
0.772256253	0.632422541	0.534683081	0.646453958
0.87148351	0.672340051	0.503392823	0.682405462
0.913845056	0.887484313	0.842377518	0.881235629
0.635318399	0.300974545	0.231477346	0.389256763
0.64087139	0.381158305	0.215643009	0.412557568
0.819752738	0.664747595	0.567535796	0.684012043
0.920320942	0.903753431	0.888704971	0.904259781
0.684701547	0.53603379	0.492204024	0.570979787
0.631061931	0.398411897	0.268394156	0.432622661
0.374138639	0.205406607	0.134474638	0.238006628
0.862045925	0.808084042	0.753382653	0.80783754
0.911386568	0.891783761	0.871935216	0.891701848
0.739810664	0.659067177	0.58999149	0.662956444
0.758204358	0.636522772	0.516723937	0.637150356
0.691972552	0.523051968	0.46431278	0.5597791
0.914778843	0.892085609	0.860298851	0.889054435
0.911386568	0.891783761	0.87123924	0.891469856
0.727084043	0.654166757	0.578095989	0.653115597
0.855010742	0.77847058	0.684732832	0.772738051
0.767746138	0.623204351	0.538183208	0.643044566
0.918303559	0.912068467	0.879940229	0.903437418
0.911386568	0.891783761	0.871293687	0.891488005
0.720352105	0.655213249	0.578135818	0.651233724
0.866284359	0.814679621	0.721453317	0.800805766
<b>0.75482742</b>	<b>0.625817428</b>	<b>0.540053153</b>	<b>0.640232667</b>
0.918185157	0.911913917	0.879982977	0.903360683
0.911386568	0.891783761	0.871293687	0.891488005
0.720245991	0.654058864	0.578543316	0.65094939
0.865500783	0.815358716	0.721438589	0.800766029
0.754821576	0.62312674	0.540223891	0.639390736
0.923738291	0.908403818	0.87276906	0.901637056
0.590342958	0.245361401	0.190680564	0.342128308
0.640202038	0.391333726	0.20055527	0.410697011
0.80970127	0.667034255	0.56663464	0.681123388
0.931667831	0.905595632	0.892130304	0.909797922
0.659343177	0.51717729	0.477179828	0.551233432
0.652236115	0.436396997	0.299987986	0.462873699
0.297469054	0.206088997	0.130967329	0.21150846
0.850565071	0.798656686	0.755195878	0.801472545
0.931627921	0.915054815	0.888433353	0.911705363
0.738499753	0.64585094	0.584742347	0.656364347
0.743180598	0.621149492	0.52091989	0.62841666
0.657280296	0.514375885	0.44592299	0.539193057
0.908039052	0.888152355	0.86426904	0.886820149
0.922497135	0.907736189	0.878251449	0.902828258
0.746934427	0.651382297	0.57979204	0.659369588
0.844047118	0.771003425	0.698062816	0.771037786
0.737571228	0.651274033	0.568980253	0.652608505
0.915721973	0.910915156	0.88860099	0.905079373
0.922497135	0.907708541	0.878251449	0.902819042
0.735772524	0.651777275	0.577360532	0.654970111
0.873490121	0.8215023	0.747548209	0.81418021



### S3 EMT specificity and sensitiv

0.728903595	0.655134015	0.572519913	0.652185841
0.91372248	0.907809258	0.884882037	0.902137925
0.922497135	0.90744353	0.878251449	0.902730705
0.734797181	0.649479326	0.576200954	0.653492487
0.869121471	0.816858688	0.742067015	0.809349058
0.731286321	0.654389258	0.572000982	0.652558854

### S3 EMT specificity and sensitiv

Average sensitivity per gamma      Sum

0.567041696    1.19003892

0.570942676    1.24666503

0.709410881    1.3312418

0.755590612    1.38486981

0.776232218    1.39610739

0.776235938    1.39608628

0.573334516    1.21805299

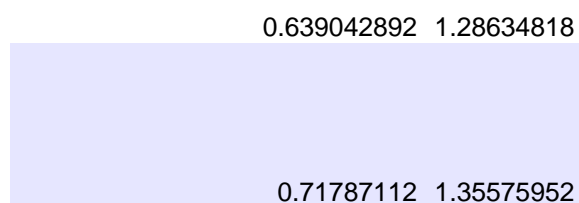
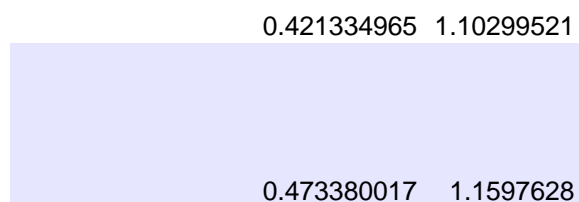
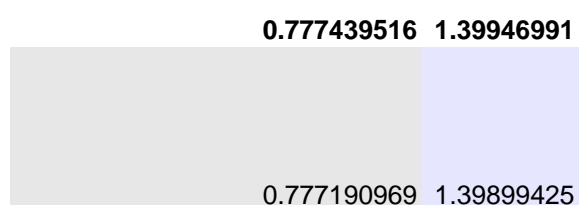
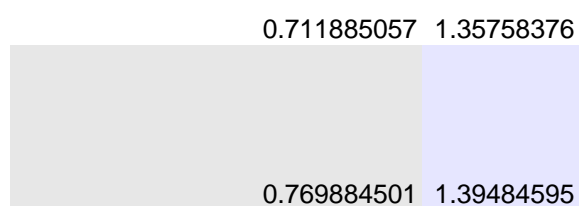
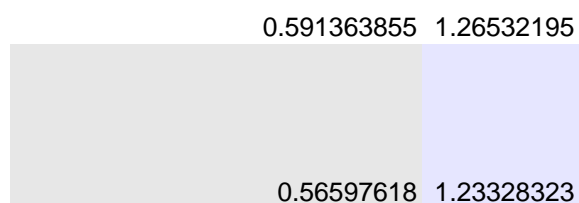
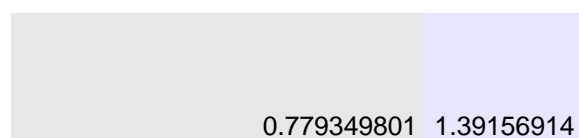
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0.701893625    1.33740004

0.773231963    1.39148959

0.778817806    1.39090858

### S3 EMT specificity and sensitiv



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0.732856219 1.36464643

0.730680487 1.3620861