

Appendix B3

Table of metastable subproteome members and associated Δ scores

Perfect match Braak Stages

Gene Name	I	II	III	IV	V	VI
XK-related protein 4	0.310094418	0.640817694	1.193111284	0.469620297	-0.193439958	0.310094418
F-box/WD repeat-containing protein 7	-0.989893069	1.490024375	0.781850854	-1.071614569	-0.889791425	-0.989893069
Protein MANBAL	0.390394793	0.420553169	0.129774928	0.067779363	0.032801714	0.390394793
Rhomboid domain-containing protein 2	0.123626151	0.778405038	1.376808863	1.182932655	1.130647924	0.123626151
Serine/threonine-protein kinase PLK2	-0.428882688	1.917037259	1.862665549	1.377473037	-0.259509565	-0.428882688
Ras-related protein Rab-1A	0.087329252	-0.536168083	-0.02652802	-0.616060066	0.839614994	0.087329252
Tubulin alpha-1B chain	0.857209609	0.626683392	0.482419083	-0.996585831	0.75102329	0.857209609
Somatostatin	2.206986034	0.675555795	0.960184029	1.18694205	0.078524269	2.206986034
Cytoplasmic FMR1-interacting protein 2	-0.774916711	1.301374629	1.967707051	0.092155337	0.301993963	-0.774916711
Ectoderm-neural cortex protein 1	-0.839006693	1.353646778	1.698925039	0.677590607	-0.204821559	-0.839006693
Cilia- and flagella-associated protein 20	0.954925146	-0.416553722	-0.688669644	0.565432701	-0.446562672	0.954925146
Reticulon-1	-0.720881294	0.765769711	-0.108249344	-0.1085765	-0.15163443	-0.720881294
Ubiquitin-conjugating enzyme E2Q-like protein 1	-0.937465532	0.672209141	0.050390064	-0.848321619	-0.25219643	-0.937465532
Neuroplastin	-0.687501688	1.018407127	1.455144055	0.58533074	1.145774353	-0.687501688
Protein BEX1	0.34152249	0.622928409	0.874769377	0.551340664	0.986354273	0.34152249
Gamma-aminobutyric acid receptor subunit alpha-1	-1.405297629	0.82300198	-0.1418965	-0.466718685	-0.452512227	-1.405297629
Microtubule-associated serine/threonine-protein kinase 3	0.461009808	0.869932444	1.087784112	0.907924126	0.22385997	0.461009808

Gene Name	I	II	III	IV	V	VI
Leucine-rich repeat-containing protein 47	0.276879863	-0.283487156	-0.836235222	-0.388728385	-0.408038587	0.276879863
Synaptotagmin-11	1.189845866	-0.193731323	0.209529264	-0.133584865	0.392547302	1.189845866
Plasma membrane calcium-transporting ATPase 1	-0.82266231	1.330266147	1.361803634	1.103107762	-1.19652166	-0.82266231
Protein BEX5	-0.658048155	1.465108303	0.868563338	0.30845286	1.015578003	-0.658048155
Reticulon-3	0.733860743	0.689177531	0.789851319	-0.161685518	0.784363069	0.733860743
Glycine receptor subunit beta	-0.246118313	1.182156812	0.845493804	0.046328119	-0.025198745	-0.246118313
Lymphocyte antigen 6H	0.00906874	1.031106926	1.106645831	0.92977014	0.614067917	0.00906874
ATP synthase subunit gamma, mitochondrial	0.157613831	-0.110257127	0.14482291	-0.622814428	0.689935865	0.157613831
Sodium channel subunit beta-4	-0.070167663	0.010333644	-0.744536812	-0.193001404	-1.102431451	-0.070167663
Neuronal membrane glycoprotein M6-a	-0.617654713	0.887184201	1.032771992	0.441333995	-0.272949072	-0.617654713
Dihydropyrimidinase-related protein 1	-0.690691244	0.991607668	1.414432261	0.371094364	0.027074398	-0.690691244
Voltage-dependent calcium channel gamma-3 subunit	0.104038844	1.688407946	1.337642003	1.022678021	0.355159701	0.104038844
V-type proton ATPase subunit d 1	0.372338538	0.314640154	0.368847817	-0.267972565	0.941599333	0.372338538
Store-operated calcium entry-associated regulatory factor	0.455277002	0.672573191	1.2078829	0.628441811	1.045687059	0.455277002
Caytaxin	-0.354674486	0.632864992	0.771834788	0.208651715	0.326163188	-0.354674486
Heat shock cognate 71 kDa protein	0.575467149	-0.190042484	-0.925846938	-0.501916302	0.5139121	0.575467149
Noelin	-0.412162388	0.98439792	0.925526011	-0.34674591	0.155360429	-0.412162388
Aspartate aminotransferase, cytoplasmic	0.453755927	0.486758872	-0.023142915	-0.540600692	0.153155453	0.453755927
CB1 cannabinoid receptor-interacting protein 1	-0.554560937	0.51329406	0.898709105	-0.140193049	-0.143735216	-0.554560937

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Serine incorporator 3	0.874987164	0.075439879	0.031478222	-0.425612783	0.45785368	0.874987164
Fibroblast growth factor 13 (0.558979361	0.431599691	0.55082826	0.782018069	0.650416905	0.558979361
Protein CREG2	0.254358917	1.40426256	1.349231517	0.59639161	0.140095483	0.254358917
Transmembrane protein 130	-0.77006629	0.737424607	1.053971984	1.015624297	0.365771739	-0.77006629
WD repeat-containing protein 47	0.039450759	1.279166005	1.392345817	0.53655636	0.780227458	0.039450759
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3	-0.241998944	0.829113903	0.027500426	0.102682057	0.998495407	-0.241998944
Probable G-protein coupled receptor 158	-0.611140684	-0.034111279	-0.189930936	-0.037732076	-0.508347155	-0.611140684
14-3-3 protein beta/alpha	0.081599601	1.150361529	1.951908541	0.406533444	0.65031166	0.081599601
Neuritin	-1.126770589	0.88877327	1.038138318	-1.719626612	-0.55855394	-1.126770589
Paraneoplastic antigen-like protein 8A	-0.655110203	0.396813542	1.165912572	0.694091301	0.912932468	-0.655110203
Mammalian ependymin-related protein 1	-0.096786397	-0.08044639	0.571816665	-2.057298065	0.724612109	-0.096786397
cGMP-dependent 3', 5'-cyclic phosphodiesterase	0.12035324	1.450895754	1.468838647	1.08168013	-0.069113286	0.12035324
Protein BEX4	0.600551431	0.609296097	1.100344229	0.577010853	0.776274791	0.600551431
Atlastin-1	0.250538284	1.28424524	1.375001219	0.4942314	1.087521882	0.250538284
Ornithine aminotransferase, mitochondrial	1.148241349	0.199945417	-0.09618545	-0.2466489	0.937117919	1.148241349
Cholecystokinin	0.034259457	1.168343844	1.403430407	0.834942611	0.823296533	0.034259457
Protein MAL2	-1.016446951	1.405089731	0.776381898	0.485833237	-0.740510969	-1.016446951
Cytochrome c oxidase subunit NDUFA4	0.389835776	0.502703832	-0.361807485	0.02842136	-0.471390929	0.389835776
Adenylate kinase isoenzyme 5	0.808871785	1.616135271	1.993519476	0.96923271	0.52440891	0.808871785
NEDD4 family-interacting protein 2	0.506129858	1.97995491	1.327161397	0.238996426	-0.150254535	0.506129858
Cytochrome b-c1 complex subunit 6, mitochondrial	0.393948817	-0.167515935	-1.232831856	-0.629523377	-0.18752035	0.393948817

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Glutamate receptor ionotropic, NMDA 2A	-0.87487092	1.485460245	1.183287213	-0.199325154	-0.359901246	-0.87487092
Monocyte to macrophage differentiation factor	-0.129334623	1.87500539	2.183583672	1.654146125	0.904155397	-0.129334623
Sodium/potassium-transporting ATPase subunit alpha-1	-0.357648656	-0.448858603	-0.157086653	-0.361736031	-0.160575112	-0.357648656
Transmembrane protein 14A	0.114724407	0.179620492	-1.065953631	-0.044293102	0.032848257	0.114724407
Gamma-aminobutyric acid type B receptor subunit 2	-0.203646909	0.825737738	0.892754364	-1.267217309	0.264469494	-0.203646909
Low-density lipoprotein receptor-related protein 11	0.933038539	1.089644476	0.953250187	0.769106686	0.42728997	0.933038539
Tubulin beta-3 chain	0.144443386	0.466195918	0.204809571	-0.417934618	1.430888609	0.144443386
Elongation of very long chain fatty acids protein 4	-0.52703407	0.292001278	0.702631042	-0.45950345	0.091999774	-0.52703407
Sodium channel subunit beta-3	-0.919492492	1.653029463	1.97743328	0.924163541	1.005925254	-0.919492492
ADP/ATP translocase 2	0.733190265	-0.386732079	-1.24431819	-0.599830768	-0.374550278	0.733190265
Paraneoplastic antigen Ma1	-0.446593909	0.449704373	0.049648212	0.407055369	0.10669959	-0.446593909
Transmembrane protein 41B	1.588503744	-0.995516975	-0.420388249	-0.807376838	-0.290437289	1.588503744
Protein kinase C-binding protein NELL2	0.523502452	1.883921623	1.759767734	0.167642266	-0.143179389	0.523502452
Zinc transporter ZIP10	-0.300966667	0.326155567	0.848740206	0.110029546	0.152353568	-0.300966667
Dual specificity mitogen-activated protein kinase kinase 1	-0.385523259	1.152621501	0.954445005	0.861989927	-0.382127235	-0.385523259
Mitogen-activated protein kinase 9	-0.573024088	0.110214869	-0.122751589	-0.546682202	-0.254559028	-0.573024088
TATA box-binding protein-like protein 1	0.508708659	0.633215383	1.186073314	-0.107623148	0.596098064	0.508708659
N-chimaerin	-0.478042267	1.618615593	1.625829436	0.813803925	0.529117571	-0.478042267

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CDGSH iron-sulfur domain-containing protein 1	-0.23234363	0.213375157	-0.42410445	0.092047603	0.732458378	-0.23234363
Protein BEX2	-0.208340656	1.037781648	0.96541382	0.825243885	0.337789936	-0.208340656
Glutamate receptor 2	-0.378034321	1.715763941	2.022991248	1.205740534	0.110702962	-0.378034321
Tubulin alpha-4A chain	0.204534449	0.512002579	0.354372052	-0.924759764	0.589882945	0.204534449
ELMO domain-containing protein 1	-0.841811674	0.834577523	0.7276441	1.223740374	-0.060276404	-0.841811674
Synaptic vesicle 2-related protein	-1.171743397	0.981660927	1.017018684	0.595952218	0.107841387	-1.171743397
Tumor protein p63-regulated gene 1-like protein	-0.362582755	0.659299759	0.872750299	0.602229082	0.75294278	-0.362582755
Peptidyl-prolyl cis-trans isomerase FKBP1B	-1.194148735	1.308755379	1.093720294	1.073526644	0.632197991	-1.194148735
RUN domain-containing protein 3A	-0.591030595	0.901184287	0.755178241	-0.011519181	0.383509116	-0.591030595
Uncharacterized protein C14orf132	-0.22015004	-0.276059276	0.621233692	-0.767984684	-0.807933264	-0.22015004
Neuroendocrine protein 7B2	0.708894319	0.756644663	0.51714976	0.622924714	0.28878038	0.708894319
Tetraspanin-13	-0.753097751	1.029487214	0.868783895	0.282739342	0.862150127	-0.753097751
Monocarboxylate transporter 14	-0.573971305	0.133748811	-0.140925261	-0.33435543	-0.832837003	-0.573971305
WD repeat and SOCS box-containing protein 2	0.20248026	0.563839131	1.110364697	-0.159500118	0.857816033	0.20248026
Gamma-aminobutyric acid receptor subunit beta-3	-1.110723841	1.404575648	1.938987592	1.289536636	0.321086903	-1.110723841
Uncharacterized protein KIAA1644	0.390419529	0.104964341	-0.411574004	-0.279488765	0.072036132	0.390419529
Ras-related protein Rab-6C	0.641451812	0.828544373	1.38098451	0.139064899	0.856624059	0.641451812
Endophilin-A1	-0.791677014	0.314247075	0.847881587	-1.049480876	-0.987993071	-0.791677014
ATP-dependent RNA helicase DDX1	0.79057377	-0.007542637	-0.643412078	-0.937587608	-0.070147755	0.79057377
Phospholipid phosphatase-related protein type 4	-0.112395904	2.097850896	2.352516662	1.44022658	0.709534687	-0.112395904
Clathrin coat assembly protein AP180	-0.78512366	0.518991612	1.189639581	-0.744147225	0.452059069	-0.78512366

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Synaptic vesicle glycoprotein 2B	-1.225306888	1.077283225	0.968192122	-1.016188598	0.207231308	-1.225306888
Kinesin-associated protein 3	0.235269737	0.488357306	0.041231251	-0.016797584	1.108300648	0.235269737
Adhesion G protein-coupled receptor B2	-0.714503728	1.40148367	1.574698197	1.007501697	0.073830308	-0.714503728
RNA binding protein fox-1 homolog 1	0.072123323	0.829940512	1.437743651	0.665368957	-1.625785318	0.072123323
V-type proton ATPase subunit G 2	-0.102213051	0.054579903	0.069976782	-0.606873461	-0.356032114	-0.102213051
Sodium/potassium-transporting ATPase subunit beta-1	1.228167183	0.793123737	0.640207693	-0.739160673	0.78641581	1.228167183
Syntabulin	-1.11606746	0.220113309	0.486807292	0.594787452	-0.229193168	-1.11606746
BTB/POZ domain-containing protein 3	0.934000374	0.876422907	0.587949462	-2.011640903	-0.503609153	0.934000374
Calcium/calmodulin-dependent protein kinase II inhibitor 1	0.776014526	0.716932234	1.011677591	0.212498808	0.141405874	0.776014526
Thy-1 membrane glycoprotein	0.356820017	0.853134515	1.096729927	0.41794633	0.474538109	0.356820017
RING finger protein 175	-0.10370673	0.644950297	0.422938474	0.275423208	-0.1275129	-0.10370673
U11/U12 small nuclear ribonucleoprotein 25 kDa protein	0.193085303	0.084693059	-0.904702257	-0.561006214	-0.446076551	0.193085303
Neuron-specific protein family member 2	-1.305316726	0.693087199	1.41956449	1.81376895	1.155191413	-1.305316726
Modulator of apoptosis 1	0.003181955	0.648692078	0.140401664	-0.237127505	0.458150407	0.003181955
TM2 domain-containing protein 3	0.54593485	0.793926129	0.971214418	0.177959886	0.588844499	0.54593485
Brain acid soluble protein 1	0.20865471	0.960673565	1.040973795	0.003769182	0.842229959	0.20865471
Gamma-glutamylcyclotransferase	0.572030798	0.466343999	0.118468667	-0.462487923	0.259566101	0.572030798
14-3-3 protein gamma	-0.084855906	0.771969569	0.990575113	0.003516339	1.078780227	-0.084855906
Nucleoside diphosphate kinase A	0.453929487	0.694883262	-0.017774007	-0.202685104	0.582973802	0.453929487

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PiggyBac transposable element-derived protein 5	-0.309316549	0.794664267	1.857692824	-0.203920847	-0.349928807	-0.309316549
Neurensin-1	0.043571697	0.87866296	-0.28924851	0.719864736	0.431402596	0.043571697
Catenin alpha-2	-0.191508458	1.326738737	1.098780922	0.632401121	0.306833173	-0.191508458
V-type proton ATPase subunit B, brain isoform	0.076327797	0.433018178	0.670072128	-0.241412607	1.963471033	0.076327797
ATP synthase-coupling factor 6, mitochondrial	0.734570258	0.167966141	-0.095212845	-0.00271126	0.176118879	0.734570258
LON peptidase N-terminal domain and RING finger protein 2	-0.933708011	0.410358813	1.261430743	1.023491451	-0.050412528	-0.933708011
GTP-binding nuclear protein Ran	0.50923632	0.088028445	-0.158927155	0.057815523	0.970431427	0.50923632
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial	0.909625226	0.133640655	-0.383519847	-0.505687125	-0.035862788	0.909625226
Ankyrin repeat domain-containing protein	0.792118192	0.634262109	0.272435994	-0.215693212	0.421211794	0.792118192
Stathmin-2	-0.388309875	0.340924046	0.093840935	-1.172413957	0.819974741	-0.388309875
PH and SEC7 domain-containing protein 3	0.127185492	0.749756817	1.198504027	0.368448237	0.487747104	0.127185492
Profilin-2	0.035818183	0.950071837	1.362125031	0.001748175	0.351363432	0.035818183
Protein-L-isoaspartate(D-aspartate) O-methyltransferase	0.232276002	0.462598269	0.084229391	0.041815777	0.681534317	0.232276002
Adenylyl cyclase-associated protein 2	-0.091463595	1.923220742	1.667428813	0.671961127	-0.081350346	-0.091463595
F-box/LRR-repeat protein 16	-0.721353344	0.95411893	0.992477047	1.265137185	0.016063459	-0.721353344
LIM domain-binding protein 2	-0.046857402	1.661294273	1.535139544	0.926692919	0.572884058	-0.046857402
Receptor expression-enhancing protein 1	-0.475425559	0.141228477	0.11277904	0.483248096	1.990617161	-0.475425559

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Neuroserpin	0.919771397	1.252214411	0.555913466	0.651217765	1.073069813	0.919771397
GRAM domain-containing protein 1B	-0.983957711	0.372180125	0.572249497	-1.166664046	-0.639362318	-0.983957711
Protein FAM19A1	-0.362713413	1.303905745	1.21790606	-0.173189561	-0.09682316	-0.362713413
Gamma-aminobutyric acid receptor subunit gamma-2	-1.204795936	0.698431977	0.326229471	0.259785583	0.081555214	-1.204795936

All tissues Braak Stages

I	II	III	IV	V	VI
1.031766254	0.981349163	1.030610766	0.713955432	0.948929882	0.310094418
0.714286188	1.474428882	0.820882394	1.004430237	1.056999811	-0.989893069
0.420745582	0.854974645	0.119163086	0.642049717	0.671407574	0.390394793
0.793661809	0.408760729	1.305647616	0.478576986	0.617306649	0.123626151
1.253004021	1.349131969	1.761030094	1.340449661	1.088119481	-0.428882688
-0.046191588	0.05736894	-0.091893412	0.016186547	0.241697443	0.087329252
0.291787653	0.380017783	0.296832288	0.11289939	0.490197986	0.857209609
0.539634663	0.728251034	0.769897269	0.690978557	0.780000555	2.206986034
1.121364817	0.523437043	1.905956052	0.614814468	0.478544341	-0.774916711
1.142943845	1.678283477	1.697344749	1.394596508	1.334315543	-0.839006693
0.048693194	0.553629583	-0.321138825	0.558966894	0.439617948	0.954925146
0.459671146	1.144310118	0.054403007	0.752717979	0.926407741	-0.720881294
0.280300528	1.106227054	0.239779599	0.582818916	0.813407553	-0.937465532
0.80697377	0.678016704	1.387106115	0.852881351	0.610586352	-0.687501688
0.451406148	0.163382118	0.745303492	0.221122376	0.379665883	0.34152249
0.490751148	0.791664763	-0.005373636	0.545421852	0.507254265	-1.405297629
0.916907866	1.310454784	1.221059092	1.199211477	1.143095697	0.461009808
-0.155191243	0.204289642	-0.690166044	0.100511583	0.185518608	0.276879863
0.279243681	0.160070631	0.155032883	0.272028477	0.276098517	1.189845866
1.18971242	1.214478205	1.347900399	1.391963433	0.731556203	-0.82266231
0.68291368	1.00647735	0.736774196	0.780030376	0.949038911	-0.658048155
0.32976422	0.335789123	0.645818638	0.2862755	0.433610598	0.733860743
0.578257907	1.026205831	0.826521949	0.845139545	0.734327938	-0.246118313

I	II	III	IV	V	VI
0.770153367	0.746417338	1.106200015	0.504507383	0.885727448	0.00906874
0.149919939	-0.360257632	0.01063404	-0.100414795	-0.12109149	0.157613831
-0.679783477	-0.184577446	-0.673439198	0.385900059	-0.441460522	-0.070167663
0.846755201	1.178129364	1.113594481	0.939073025	0.989297447	-0.617654713
1.075427806	0.78371847	1.378447628	0.578271366	0.699754811	-0.690691244
1.285583011	1.625493397	1.398521794	1.442459701	1.443836391	0.104038844
0.266034196	0.698236872	0.326003182	0.479133589	0.806405874	0.372338538
0.512527358	-0.001060966	0.957896043	-0.016237091	0.287087329	0.455277002
0.84359803	1.149183942	0.86168345	0.951909313	1.030183309	-0.354674486
0.015116835	0.513938107	-0.808850628	0.360553378	0.560820832	0.575467149
0.796457614	1.316738054	1.028221738	1.018888953	1.056662234	-0.412162388
0.062751565	0.743120891	-0.092633051	0.646780764	0.537649667	0.453755927
0.750409607	0.778291859	0.904223575	0.413631286	0.670766606	-0.554560937
0.361311572	1.004507219	0.189775723	0.812422975	0.904423559	0.874987164
0.56908127	0.439036861	0.51558472	0.480493311	0.45125927	0.558979361
1.102447165	1.515742391	1.419793746	1.255410243	1.294317009	0.254358917
0.860890531	0.900293016	1.193754769	0.749671579	0.922966117	-0.77006629
0.927892722	0.870914274	1.267178998	0.857004739	0.860284135	0.039450759
0.663135352	1.104578741	-0.020524654	0.777534892	1.055106456	-0.241998944
-0.614237015	-0.054314561	-0.382433488	0.131183845	-0.302488202	-0.611140684
1.164390666	0.902610592	1.743161536	0.797768155	0.970240152	0.081599601
0.627413411	1.115217637	1.128720503	0.572432511	0.741212299	-1.126770589
0.514124722	0.583395954	1.159274586	0.4438224	0.804293715	-0.655110203
-0.499387929	-0.492975858	0.302220219	-0.679451851	-0.400772497	-0.096786397
1.222751002	1.570778212	1.497447383	1.413031169	1.363661265	0.12035324
0.678765305	0.081885322	1.045049724	0.199880468	0.313316992	0.600551431
0.775909078	0.59289385	1.133208724	0.54698482	0.623246412	0.250538284
0.259838972	0.482810624	-0.144591449	0.526332087	0.609154015	1.148241349
1.044599772	1.610187984	1.315672187	1.378612214	1.497237258	0.034259457
1.099047039	1.275408896	0.900634226	1.092499922	0.898156867	-1.016446951
0.582189087	1.126816756	-0.26372286	1.012351891	0.831516666	0.389835776
1.29671303	1.229450333	1.885687191	1.176588742	1.158917265	0.808871785

I	II	III	IV	V	VI
1.223973711	1.522927169	1.325222622	1.389297316	1.286637516	0.506129858
-0.107451184	0.321207556	-1.218117204	0.219840867	0.199925572	0.393948817
1.04701621	1.475151623	1.278334477	1.167731717	1.068284325	-0.87487092
1.661081933	1.239532848	2.11685601	1.194445521	1.397643024	-0.129334623
-0.15571311	0.991344011	0.180209619	0.87007291	0.686227542	-0.357648656
-0.348583513	0.440790533	-0.999131054	0.34119098	0.350569044	0.114724407
0.944477063	1.153117567	0.949767254	0.656836135	0.946273994	-0.203646909
0.602631764	0.387331319	0.947598046	0.415798121	0.371654095	0.933038539
0.168873403	-0.077842068	0.051643663	-0.220728177	0.275521076	0.144443386
-0.129803852	-0.238714426	0.435712825	-0.140329801	-0.459289263	-0.52703407
1.452478793	1.315958631	1.880345393	1.016279072	1.378976507	-0.919492492
-0.174962558	0.540963061	-1.103498291	0.571960395	0.294094511	0.733190265
0.378481273	1.175209636	0.251873403	0.922082025	1.001486558	-0.446593909
-0.79260685	-0.808991033	-0.437340131	-0.61383959	-0.762383759	1.588503744
1.264361094	1.480946963	1.829943419	1.181866266	1.216059942	0.523502452
0.666713035	1.373008901	0.901173551	1.070979161	1.257515569	-0.300966667
0.955770956	1.262412329	1.059328267	1.110344625	1.009975837	-0.385523259
-0.08882514	0.183489507	-0.115948179	0.142804858	0.07614839	-0.573024088
0.866128491	0.529488932	1.085160426	0.290479117	0.632309376	0.508708659
1.241519098	1.542945271	1.57409812	1.415351387	1.311195745	-0.478042267
-0.00683418	0.409104185	-0.398937748	0.349376956	0.510136041	-0.23234363
0.89167522	1.128956565	0.987796635	0.901335184	1.056342135	-0.208340656
1.246495622	1.25667299	2.024352785	1.118500163	1.107114162	-0.378034321
0.196873494	0.723736551	0.373382679	0.416309525	0.736117857	0.204534449
0.510211404	0.242693142	0.802860606	0.433204358	0.173196443	-0.841811674
0.735067227	1.172773643	1.132181976	0.906027772	1.089568208	-1.171743397
0.646300057	0.593911898	0.76626912	0.629421596	0.683425381	-0.362582755
1.083177655	0.915032232	0.785978944	0.873513318	0.994000002	-1.194148735
0.96891116	1.270568135	0.931397567	1.027638429	1.21102989	-0.591030595
0.512880372	0.459007714	0.741664457	-0.111521163	0.250020584	-0.22015004
0.478073724	1.018916844	0.525419262	0.998708943	0.793982522	0.708894319
0.666754994	1.258924569	0.777847647	1.273082635	1.114308094	-0.753097751

I	II	III	IV	V	VI
0.096235904	0.209167965	-0.227327921	0.128853583	-0.110551762	-0.573971305
0.738092643	1.265032015	0.8916899	1.0715817	1.253067999	0.20248026
1.451698226	1.191566351	1.950214134	1.100014453	1.108643908	-1.110723841
1.044567582	0.898188647	-0.199520974	0.483788721	0.935411279	0.390419529
0.448069501	-0.149044452	1.105509922	0.051349731	0.003292757	0.641451812
0.187236401	0.69355586	0.723342011	0.438016885	0.342138892	-0.791677014
-0.040521008	0.680530814	-0.540317416	0.52435529	0.458893629	0.79057377
1.678346721	1.007657556	2.228843195	0.887557511	1.039482767	-0.112395904
0.301649093	0.265475932	1.043019483	0.105874158	0.30117947	-0.78512366
0.509496234	1.012864979	0.827713948	0.661743508	0.870275191	-1.225306888
0.340531562	0.953920467	0.201488021	0.736469472	1.037675852	0.235269737
1.241386415	1.565821356	1.646839488	1.46427165	1.352051075	-0.714503728
0.782157172	1.032692402	1.438898435	1.104439894	0.404832955	0.072123323
0.018408286	0.233237067	0.12012174	0.123785334	0.106243517	-0.102213051
0.185738307	0.006674684	0.540116031	-0.012960213	0.04887168	1.228167183
0.173891737	0.765404898	0.628304089	0.566881814	0.458072018	-1.11606746
0.087347385	-0.153268267	0.800624863	-0.300904223	-0.374289554	0.934000374
0.991161244	1.35171617	1.164384924	1.202296583	1.174543256	0.776014526
0.517885404	0.584861327	0.942402512	0.633386064	0.451794537	0.356820017
0.161556523	0.349520157	0.296310598	0.306403471	0.294173414	-0.10370673
0.090072016	0.701346953	-0.761222087	0.583384398	0.511191704	0.193085303
0.796158229	0.321904054	1.284670839	0.509969372	0.598036628	-1.305316726
0.292524888	0.798999362	0.147913921	0.551096332	0.625494399	0.003181955
0.608442793	0.599732046	0.973925029	0.423524519	0.795241712	0.54593485
0.702380899	0.582857102	0.985184846	0.46059129	0.671387364	0.20865471
0.739310949	0.554388513	0.159242062	0.417185763	0.698753799	0.572030798
0.59285586	0.697970612	0.910253473	0.589224384	0.779574345	-0.084855906
0.64127996	0.776235223	0.031327157	0.610944314	0.781707084	0.453929487
1.056261723	1.275820841	1.925038189	0.961581468	1.001362132	-0.309316549
0.651502563	0.61417601	-0.358835545	0.515577863	0.575345577	0.043571697
1.346542379	1.381125325	1.071944925	1.150065033	1.220908823	-0.191508458
0.230695437	0.507732332	0.585547974	0.406157591	0.75133798	0.076327797

I	II	III	IV	V	VI
0.298143123	0.520631567	-0.102827487	0.459174873	0.350314281	0.734570258
0.489877659	0.517707101	1.14905813	0.523043961	0.506595672	-0.933708011
0.093376013	0.182306892	-0.211317931	0.160788214	0.43811602	0.50923632
-0.078361166	0.029406304	-0.409365018	0.029882777	-0.04722838	0.909625226
0.444512042	0.961446062	0.261699432	0.663672095	0.786732621	0.792118192
-0.002527222	-0.14024235	-0.1099262	-0.222895153	0.103947805	-0.388309875
0.739352271	0.699679023	1.188200042	0.54237841	0.847926087	0.127185492
0.681952444	0.592249166	1.208439951	0.506717933	0.55485918	0.035818183
0.413011663	0.888749321	0.1540224	0.707361742	0.894173553	0.232276002
1.466969468	1.530160458	1.69717534	1.31799841	1.228185791	-0.091463595
1.184063179	1.338872427	1.025511328	1.395210953	1.227524087	-0.721353344
1.21754982	1.586593267	1.522801212	1.46075531	1.368523529	-0.046857402
0.024073383	0.025019781	0.09786393	0.118137148	0.373818059	-0.475425559
0.979488812	1.251535776	0.462580249	1.035738765	1.250209659	0.919771397
0.053999948	-0.172809804	0.561549497	-0.141226856	-0.34374452	-0.983957711
1.226505731	1.339593178	1.205453113	0.865988991	1.099620174	-0.362713413
0.164726797	0.571920687	0.469706995	0.377374485	0.356402953	-1.204795936