Algorithm results

scaled_LRCA = (LRCA-27097.2)/8539.96;
scaled_LGAO = (LGAO-6.33063)/1.5161;
scaled_LAGTPS = (LAGTPS-27097.2)/8539.96;
scaled_LRCAS = (LRCAS-6.33063)/1.5161;
scaled_LGAOS = (LGAOS-27097.2)/8539.96;
scaled_LAGTFPDF = (LAGTFPDF-6.33063)/1.5161;
scaled_LRCADF = (LRCADF-27097.2)/8539.96;
scaled_LGAODF = (LGAODF-6.33063)/1.5161;
y_1_1 = tanh (-1.61285+ (scaled_LRCA*1.09124)+ (scaled_LGAO*-0.884348)+ (scaled_LAGTPS*-1.63581)+ (scaled_LRCAS*-0.915587)+ (scaled_LGAOS*-0.173687)+ (scaled_LAGTFPDF*0.421336)+ (scaled_LRCADF*1.14188)+ (scaled_LGAODF*0.977166));
y_1_2 = tanh (-0.68885+ (scaled_LRCA*0.374925)+ (scaled_LGAO*0.100685)+ (scaled_LAGTPS*1.42496)+ (scaled_LRCAS*-0.0132863)+ (scaled_LGAOS*-1.99556)+ (scaled_LAGTFPDF*1.49972)+ (scaled_LRCADF*-0.153206)+ (scaled_LGAODF*0.43272));
y_1_3 = tanh (-2.18316+ (scaled_LRCA*-1.18049)+ (scaled_LGAO*0.581399)+ (scaled_LAGTPS*0.882982)+ (scaled_LRCAS*-1.50428)+ (scaled_LGAOS*0.796587)+ (scaled_LAGTFPDF*-0.126599)+ (scaled_LRCADF*-0.940828)+ (scaled_LGAODF*0.63558));
y_1_4 = tanh (1.42005+ (scaled_LRCA*-1.64099)+ (scaled_LGAO*2.07093)+ (scaled_LAGTPS*-1.24026)+ (scaled_LRCAS*-0.514201)+ (scaled_LGAOS*1.26531)+ (scaled_LAGTFPDF*-0.0712439)+ (scaled_LRCADF*-0.571795)+ (scaled_LGAODF*0.830289));
y_1_5 = tanh (-0.967052+ (scaled_LRCA*0.167718)+ (scaled_LGAO*-0.956518)+ (scaled_LAGTPS*-0.523928)+ (scaled_LRCAS*-0.687573)+ (scaled_LGAOS*-0.687933)+ (scaled_LAGTFPDF*0.207736)+ (scaled_LRCADF*0.41775)+ (scaled_LGAODF*-1.50185));
y_1_6 = tanh (-0.081985+ (scaled_LRCA*-1.93722)+ (scaled_LGAO*-0.83041)+ (scaled_LAGTPS*-2.11843)+ (scaled_LRCAS*-1.82481)+ (scaled_LGAOS*1.32784)+ (scaled_LAGTFPDF*-1.10033)+ (scaled_LRCADF*0.581407)+ (scaled_LGAODF*0.970336));
y_1_7 = tanh (-0.946385+ (scaled_LRCA*-1.46707)+ (scaled_LGAO*-0.189541)+ (scaled_LAGTPS*-2.09112)+ (scaled_LRCAS*0.72883)+ (scaled_LGAOS*-1.51308)+ (scaled_LAGTFPDF*-0.426762)+ (scaled_LRCADF*0.472417)+ (scaled_LGAODF*1.2976));
y_1_8 = tanh (0.570516+ (scaled_LRCA*-1.41604)+ (scaled_LGAO*-1.39583)+ (scaled_LAGTPS*1.04036)+ (scaled_LRCAS*-1.19583)+ (scaled_LGAOS*-1.1776)+

(scaled_LAGTFPDF*-0.97716)+ (scaled_LRCADF*-0.642756)+ (scaled_LGAODF*0.206985));
y_1_9 = tanh (1.90256+ (scaled_LRCA*0.357125)+ (scaled_LGAO*0.9108)+ (scaled_LAGTPS*-0.440806)+ (scaled_LRCAS*-1.0293)+ (scaled_LGAOS*0.11051)+ (scaled_LAGTFPDF*-0.0400299)+ (scaled_LRCADF*0.712712)+ (scaled_LGAODF*0.927031));
y_1_10 = tanh (-1.82884+ (scaled_LRCA*1.06262)+ (scaled_LGAO*-0.210979)+ (scaled_LAGTPS*1.09508)+ (scaled_LRCAS*-1.35962)+ (scaled_LGAOS*-1.95363)+ (scaled_LAGTFPDF*0.237956)+ (scaled_LRCADF*1.03406)+ (scaled_LGAODF*0.534848));
y_1_11 = tanh (-1.56519+ (scaled_LRCA*-1.46218)+ (scaled_LGAO*-1.46502)+ (scaled_LAGTPS*0.82008)+ (scaled_LRCAS*0.733412)+ (scaled_LGAOS*-1.94931)+ (scaled_LAGTFPDF*0.645066)+ (scaled_LRCADF*-1.73198)+ (scaled_LGAODF*-0.12541));
y_1_12 = tanh (-0.723735+ (scaled_LRCA*1.6621)+ (scaled_LGAO*-0.633849)+ (scaled_LAGTPS*-1.51426)+ (scaled_LRCAS*-1.51073)+ (scaled_LGAOS*-0.0557937)+ (scaled_LAGTFPDF*-1.16271)+ (scaled_LRCADF*1.10248)+ (scaled_LGAODF*-0.386136));
y_1_13 = tanh (-0.911174+ (scaled_LRCA*1.48508)+ (scaled_LGAO*0.890082)+ (scaled_LAGTPS*0.164994)+ (scaled_LRCAS*1.04994)+ (scaled_LGAOS*-0.686141)+ (scaled_LAGTFPDF*0.0520035)+ (scaled_LRCADF*-1.02977)+ (scaled_LGAODF*1.0863));
y_1_14 = tanh (1.96928+ (scaled_LRCA*1.855)+ (scaled_LGAO*0.190711)+ (scaled_LAGTPS*-0.47595)+ (scaled_LRCAS*-0.315944)+ (scaled_LGAOS*0.398858)+ (scaled_LAGTFPDF*0.450627)+ (scaled_LRCADF*-0.449713)+ (scaled_LGAODF*-0.244436));
y_1_15 = tanh (1.58273+ (scaled_LRCA*0.0274411)+ (scaled_LGAO*1.06943)+ (scaled_LAGTPS*1.03989)+ (scaled_LRCAS*0.14483)+ (scaled_LGAOS*-1.05237)+ (scaled_LAGTFPDF*0.608654)+ (scaled_LRCADF*0.254167)+ (scaled_LGAODF*0.829155));
y_2_1 = tanh (0.156317+ (y_1_1*1.88311)+ (y_1_2*-1.41746)+ (y_1_3*-0.188814)+ (y_1_4*0.0168176)+ (y_1_5*1.81958)+ (y_1_6*0.0416537)+ (y_1_7*1.38611)+ (y_1_8*-1.1116)+ (y_1_9*-0.699746)+ (y_1_10*2.02275)+ (y_1_11*0.515002)+ (y_1_12*0.69502)+ (y_1_13*-1.32173)+ (y_1_14*0.273918)+ (y_1_15*-0.087431));
y_2_2 = tanh (-1.26001+ (y_1_1*-1.22)+ (y_1_2*0.653249)+ (y_1_3*1.24236)+ (y_1_4*-1.32805)+ (y_1_5*-1.20957)+ (y_1_6*-0.738722)+ (y_1_7*-1.16639)+ (y_1_8*-1.58246)+ (y_1_9*-0.332907)+ (y_1_10*-1.9578)+ (y_1_11*0.65739)+ (y_1_12*0.109105)+ (y_1_13*1.0259)+ (y_1_14*1.86612)+ (y_1_15*-1.59835));
y_2_3 = tanh (0.618192+ (y_1_1*1.02707)+ (y_1_2*-0.887378)+ (y_1_3*1.15312)+ (y_1_4*1.77022)+ (y_1_5*-1.40039)+ (y_1_6*-0.114165)+ (y_1_7*-0.965154)+ (y_1_8*0.0611651)+ (y_1_9*0.553188)+ (y_1_10*-1.7608)+

```
(y_1_11*0.00768364)+ (y_1_12*-0.28135)+ (y_1_13*-1.00496)+ (y_1_14*-0.403062)+ (y_1_15*0.806093));
```

```
y_2_4 = tanh (-0.401352+ (y_1_1*0.16106)+ (y_1_2*1.30562)+ (y_1_3*-1.3681)+ (y_1_4*-1.23221)+ (y_1_5*-0.030731)+ (y_1_6*0.551005)+ (y_1_7*-0.429129)+ (y_1_8*0.0542179)+ (y_1_9*-1.77297)+ (y_1_10*-0.78094)+ (y_1_11*1.92772)+ (y_1_12*1.46528)+ (y_1_13*-1.25735)+ (y_1_14*-1.16459)+ (y_1_15*1.37482));
```

```
y_2_5 = tanh (1.87664+ (y_1_1*-1.80453)+ (y_1_2*-1.86998)+ (y_1_3*-0.437333)+ (y_1_4*2.02314)+ (y_1_5*0.686687)+ (y_1_6*0.0708451)+ (y_1_7*1.35552)+ (y_1_8*1.96118)+ (y_1_9*-0.394425)+ (y_1_10*-2.24883)+ (y_1_11*0.510939)+ (y_1_12*0.0506214)+ (y_1_13*1.50697)+ (y_1_14*-1.14053)+ (y_1_15*-1.63677));
```

```
y_2_6 = tanh (1.04566+ (y_1_1*-0.152569)+ (y_1_2*1.72518)+ (y_1_3*-0.655868)+ (y_1_4*-1.61655)+ (y_1_5*-0.142235)+ (y_1_6*-1.06605)+ (y_1_7*0.743784)+ (y_1_8*-1.72491)+ (y_1_9*-1.0058)+ (y_1_10*0.862361)+ (y_1_11*-0.383642)+ (y_1_12*-0.877838)+ (y_1_13*0.920929)+ (y_1_14*-1.58983)+ (y_1_15*0.948938));
```

```
y_2_7 = tanh (-1.21334+ (y_1_1*-0.985694)+ (y_1_2*-1.26106)+ (y_1_3*-1.90159)+ (y_1_4*0.875835)+ (y_1_5*-0.93521)+ (y_1_6*0.355533)+ (y_1_7*-1.89723)+ (y_1_8*-1.55627)+ (y_1_9*1.58416)+ (y_1_10*-0.612715)+ (y_1_11*-0.0367471)+ (y_1_12*-1.04862)+ (y_1_13*-0.00519264)+ (y_1_14*0.0829247)+ (y_1_15*0.0790872));
```

```
y_2_8 = tanh (-0.00763027+ (y_1_1*-0.193661)+ (y_1_2*1.69951)+ (y_1_3*-2.45187)+ (y_1_4*0.751115)+ (y_1_5*-0.849704)+ (y_1_6*-1.14802)+ (y_1_7*-1.44532)+ (y_1_8*-0.293808)+ (y_1_9*0.73474)+ (y_1_10*1.22496)+ (y_1_11*0.458813)+ (y_1_12*-1.50397)+ (y_1_13*0.0724796)+ (y_1_14*2.26144)+ (y_1_15*0.794273));
```

```
y_2_9 = tanh (0.571996+ (y_1_1*0.440436)+ (y_1_2*1.22981)+ (y_1_3*2.24361)+ (y_1_4*-1.40278)+ (y_1_5*1.28107)+ (y_1_6*0.936615)+ (y_1_7*2.6308)+ (y_1_8*2.1596)+ (y_1_9*1.07446)+ (y_1_10*-0.0432748)+ (y_1_11*1.39391)+ (y_1_12*-0.16513)+ (y_1_13*-0.352107)+ (y_1_14*-1.53562)+ (y_1_15*-1.71981));
```

```
y_2_10 = tanh (0.541348+ (y_1_1*1.0783)+ (y_1_2*-1.58577)+ (y_1_3*0.494158)+ (y_1_4*-0.357979)+ (y_1_5*0.346724)+ (y_1_6*1.24437)+ (y_1_7*1.41722)+ (y_1_8*-1.35972)+ (y_1_9*1.34445)+ (y_1_10*1.26666)+ (y_1_11*-1.71249)+ (y_1_12*1.16486)+ (y_1_13*0.533216)+ (y_1_14*-1.38248)+ (y_1_15*-1.30549));
```

```
y_2_11 = tanh (-1.79522+ (y_1_1*0.603146)+ (y_1_2*-1.46883)+ (y_1_3*1.36652)+ (y_1_4*1.63063)+ (y_1_5*0.789675)+ (y_1_6*-0.869748)+ (y_1_7*0.0207061)+ (y_1_8*1.55717)+ (y_1_9*-1.19358)+ (y_1_10*-0.0850396)+ (y_1_11*0.371131)+ (y_1_12*-1.77218)+ (y_1_13*1.44359)+ (y_1_14*0.261748)+ (y_1_15*-0.527531));
```

```
y_2_12 = tanh (-1.47213+ (y_1_1*1.94171)+ (y_1_2*0.754892)+ (y_1_3*-1.30495)+ (y_1_4*-0.392926)+ (y_1_5*-1.1349)+ (y_1_6*1.77869)+ (y_1_7*-0.657518)+ (y_1_8*1.57547)+ (y_1_9*1.77659)+ (y_1_10*2.11002)+ (y_1_11*-0.36977)+ (y_1_12*0.311729)+ (y_1_13*1.77108)+ (y_1_14*-1.19407)+ (y_1_15*1.60895));
```

```
y_3_1 = tanh (-1.37301+ (y_2_1*-1.99633)+ (y_2_2*-0.23116)+ (y_2_3*-1.03491)+ (y_2_4*0.72626)+ (y_2_5*1.15885)+ (y_2_6*1.19295)+ (y_2_7*-0.456347)+ (y_2_8*-0.0445727)+ (y_2_9*-1.80677)+ (y_2_10*1.20878)+ (y_2_11*0.169739)+ (y_2_12*1.38396));
```

```
y_3_2 = tanh (1.14448+ (y_2_1*-1.13529)+ (y_2_2*-1.75066)+ (y_2_3*0.910258)+ (y_2_4*-1.42837)+ (y_2_5*-0.979186)+ (y_2_6*1.75299)+ (y_2_7*-1.0278)+ (y_2_8*-0.444274)+ (y_2_9*0.777323)+ (y_2_10*1.55213)+ (y_2_11*0.643591)+ (y_2_12*-1.03167));
```

```
y_3_3 = tanh (-0.874987+ (y_2_1*-1.14954)+ (y_2_2*1.80371)+ (y_2_3*-1.19988)+ (y_2_4*-1.43522)+ (y_2_5*-0.913675)+ (y_2_6*0.759053)+ (y_2_7*-0.548415)+ (y_2_8*0.867576)+ (y_2_9*-1.55344)+ (y_2_10*1.655)+ (y_2_11*0.94768)+ (y_2_12*-1.22529));
```

```
y_3_4 = tanh (1.30999+ (y_2_1*0.692207)+ (y_2_2*-1.04701)+ (y_2_3*-0.576275)+ (y_2_4*0.953579)+ (y_2_5*0.370346)+ (y_2_6*1.84836)+ (y_2_7*0.418852)+ (y_2_8*-0.463499)+ (y_2_9*0.331672)+ (y_2_10*-1.56403)+ (y_2_11*-1.39915)+ (y_2_12*-0.445867));
```

```
y_3_5 = tanh (-1.71237+ (y_2_1*-0.0695932)+ (y_2_2*-1.77794)+ (y_2_3*0.665217)+ (y_2_4*-1.15159)+ (y_2_5*-1.57308)+ (y_2_6*1.2391)+ (y_2_7*-1.3146)+ (y_2_8*0.241285)+ (y_2_9*-0.704527)+ (y_2_10*-0.979697)+ (y_2_11*0.654021)+ (y_2_12*2.14873));
```

```
y_3_6 = tanh (-1.77246+ (y_2_1*1.93892)+ (y_2_2*0.233948)+ (y_2_3*0.315614)+ (y_2_4*1.73742)+ (y_2_5*0.96198)+ (y_2_6*-1.04323)+ (y_2_7*-0.268771)+ (y_2_8*-1.74712)+ (y_2_9*-0.532497)+ (y_2_10*-0.109892)+ (y_2_11*-0.322564)+ (y_2_12*1.40778));
```

```
y_3_7 = tanh (-1.30697+ (y_2_1*-0.146756)+ (y_2_2*0.544617)+ (y_2_3*0.436652)+ (y_2_4*0.512378)+ (y_2_5*-1.95306)+ (y_2_6*-0.871295)+ (y_2_7*-0.0445654)+ (y_2_8*-0.11972)+ (y_2_9*-1.00294)+ (y_2_10*0.65474)+ (y_2_11*1.63058)+ (y_2_12*1.94744));
```

```
y_3_8 = tanh (0.611869+ (y_2_1*2.3058)+ (y_2_2*0.589809)+ (y_2_3*-0.403951)+ (y_2_4*-0.428902)+ (y_2_5*0.311576)+ (y_2_6*0.52436)+ (y_2_7*-0.0715986)+ (y_2_8*-1.75945)+ (y_2_9*1.76368)+ (y_2_10*0.81897)+ (y_2_11*2.15548)+ (y_2_12*0.997054));
```

```
y_3_9 = tanh (0.623727+ (y_2_1*0.85349)+ (y_2_2*-0.695265)+ (y_2_3*0.618644)+ (y_2_4*1.27641)+ (y_2_5*0.779903)+ (y_2_6*-0.667802)+ (y_2_7*1.79908)+ (y_2_8*0.933299)+ (y_2_9*-1.88546)+ (y_2_10*-2.05952)+ (y_2_11*-1.12156)+ (y_2_12*1.29368));
```

```
y_3_10 = tanh (0.0369705+ (y_2_1*-1.91908)+ (y_2_2*-0.907097)+ (y_2_3*0.890219)+ (y_2_4*0.928885)+ (y_2_5*1.78752)+ (y_2_6*-0.0919594)+ (y_2_7*-1.46315)+ (y_2_8*-1.64465)+ (y_2_9*0.959314)+ (y_2_10*0.60323)+ (y_2_11*1.04158)+ (y_2_12*0.227524));
```

```
y_4_1 = tanh (0.510065+ (y_3_1*1.05035)+ (y_3_2*-0.056059)+ (y_3_3*1.26595)+ (y_3_4*0.301436)+ (y_3_5*-1.60195)+ (y_3_6*-0.310024)+ (y_3_7*0.25261)+ (y_3_8*0.331419)+ (y_3_9*-0.836016)+ (y_3_10*1.29795));
```

```
y_4_2 = tanh (1.35083+ (y_3_1*-0.054637)+ (y_3_2*0.505514)+ (y_3_3*-0.0916719)+ (y_3_4*-0.00117438)+ (y_3_5*0.58335)+ (y_3_6*-0.434689)+ (y_3_7*1.58048)+ (y_3_8*-0.716313)+ (y_3_9*-1.04191)+ (y_3_10*-1.45909));
```

```
y_4_3 = tanh (-1.36389+ (y_3_1*1.57848)+ (y_3_2*-1.29292)+ (y_3_3*-0.206127)+ (y_3_4*1.9455)+ (y_3_5*-1.58183)+ (y_3_6*-1.03436)+ (y_3_7*-0.461204)+ (y_3_8*1.21331)+ (y_3_9*1.10852)+ (y_3_10*-1.79917));
```

```
y_4_4 = tanh (-1.90859+ (y_3_1*-1.36105)+ (y_3_2*-0.210929)+ (y_3_3*-0.705203)+ (y_3_4*-0.328043)+ (y_3_5*-0.640235)+ (y_3_6*1.19341)+ (y_3_7*0.518745)+ (y_3_8*1.99314)+ (y_3_9*-1.77808)+ (y_3_10*-1.96354));
```

```
y_4_5 = tanh (0.327265+ (y_3_1*1.03484)+ (y_3_2*1.28577)+ (y_3_3*0.804468)+ (y_3_4*0.993336)+ (y_3_5*-2.081)+ (y_3_6*-1.07308)+ (y_3_7*-0.88229)+ (y_3_8*0.0762722)+ (y_3_9*1.35338)+ (y_3_10*1.67494));
```

```
y_4_6 = tanh (2.06564+ (y_3_1*0.78547)+ (y_3_2*0.0228799)+ (y_3_3*1.89494)+ (y_3_4*-0.504802)+ (y_3_5*-0.0554547)+ (y_3_6*-1.78683)+ (y_3_7*0.580553)+ (y_3_8*-1.90327)+ (y_3_9*-0.0439354)+ (y_3_10*0.397366));
```

```
y_4_7 = tanh (0.128466+ (y_3_1*0.73395)+ (y_3_2*0.0783774)+ (y_3_3*-0.232758)+ (y_3_4*0.932585)+ (y_3_5*1.61536)+ (y_3_6*-1.47688)+ (y_3_7*-2.04869)+ (y_3_8*-1.26323)+ (y_3_9*0.879264)+ (y_3_10*-0.783191));
```

```
y_4_8 = tanh (-0.131159+ (y_3_1*2.25447)+ (y_3_2*-0.189721)+ (y_3_3*1.23866)+ (y_3_4*0.819142)+ (y_3_5*0.351557)+ (y_3_6*0.627081)+ (y_3_7*-0.162712)+ (y_3_8*-0.555703)+ (y_3_9*2.11861)+ (y_3_10*0.666256));
```

```
y_5_1 = tanh (-0.306996+ (y_4_1*0.96216)+ (y_4_2*-1.18934)+ (y_4_3*-1.49368)+ (y_4_4*1.71559)+ (y_4_5*1.5236)+ (y_4_6*-1.23499)+ (y_4_7*-1.27426)+ (y_4_8*0.719033));
```

```
y_5_2 = tanh (1.3561+ (y_4_1*0.48812)+ (y_4_2*1.6283)+ (y_4_3*0.343578)+ (y_4_4*1.65334)+ (y_4_5*0.457657)+ (y_4_6*0.750314)+ (y_4_7*1.47365)+ (y_4_8*-1.36645));
```

```
y_5_3 = tanh (0.675501+ (y_4_1*1.20025)+ (y_4_2*-1.48988)+ (y_4_3*1.6091)+ (y_4_4*-1.67747)+ (y_4_5*2.0788)+ (y_4_6*-0.205274)+ (y_4_7*-0.339411)+ (y_4_8*-1.81183));
```

```
y_5_4 = tanh (0.308469+ (y_4_1*-0.359058)+ (y_4_2*-0.244088)+ (y_4_3*-0.917834)+ (y_4_4*1.22501)+ (y_4_5*-2.18844)+ (y_4_6*-0.91656)+ (y_4_7*-1.44761)+ (y_4_8*0.64783));
```

```
y_5_5 = tanh (-1.24498+ (y_4_1*-1.33443)+ (y_4_2*-0.0778085)+ (y_4_3*1.29388)+ (y_4_4*-1.69887)+ (y_4_5*1.05733)+ (y_4_6*1.77904)+ (y_4_7*0.777266)+ (y_4_8*0.924457));
y_6_1 = tanh (-1.81123+ (y_5_1*-1.50888)+ (y_5_2*1.45765)+ (y_5_3*1.21607)+ (y_5_4*2.0364)+ (y_5_5*-0.0351247));
y_6_2 = tanh (-0.688159+ (y_5_1*-1.2304)+ (y_5_2*1.57528)+ (y_5_3*-2.2511)+ (y_5_4*1.71834)+ (y_5_5*-0.292009));
y_6_3 = tanh (2.19491+ (y_5_1*-1.08764)+ (y_5_2*-0.724502)+ (y_5_3*0.467422)+ (y_5_4*0.484911)+ (y_5_5*-1.1353));
y_6_4 = tanh (0.815946+ (y_5_1*-0.148626)+ (y_5_2*-0.665003)+ (y_5_3*-0.463411)+ (y_5_4*-1.18987)+ (y_5_5*0.972306));
y_6_5 = tanh (1.42515+ (y_5_1*1.5093)+ (y_5_2*-1.69106)+ (y_5_3*-2.05861)+ (y_5_4*-0.801431)+ (y_5_5*1.3829));
y_6_6 = tanh (-1.13268+ (y_5_1*1.41605)+ (y_5_2*-0.50787)+ (y_5_3*0.202975)+ (y_5_4*1.54756)+ (y_5_5*-0.330414));
y_6_7 = tanh (-1.26189+ (y_5_1*-1.73228)+ (y_5_2*-0.368851)+ (y_5_3*0.774394)+ (y_5_4*0.815512)+ (y_5_5*-0.825406));
y_7_1 = tanh (1.41444+ (y_6_1*-1.46964)+ (y_6_2*-0.463872)+ (y_6_3*0.659709)+ (y_6_4*-0.115121)+ (y_6_5*-1.54341)+ (y_6_6*0.0883224)+ (y_6_7*-0.622981));
y_7_2 = tanh (1.28858+ (y_6_1*1.45535)+ (y_6_2*-1.01162)+ (y_6_3*1.90444)+ (y_6_4*-0.866484)+ (y_6_5*-0.933753)+ (y_6_6*0.548701)+ (y_6_7*-1.40437));
y_7_3 = tanh (0.161519+ (y_6_1*1.96888)+ (y_6_2*2.20325)+ (y_6_3*0.801356)+ (y_6_4*-0.926452)+ (y_6_5*-1.6589)+ (y_6_6*0.162701)+ (y_6_7*1.08486));
y_7_4 = tanh (1.37599+ (y_6_1*0.797919)+ (y_6_2*2.23573)+ (y_6_3*-1.85725)+ (y_6_4*0.429945)+ (y_6_5*1.30196)+ (y_6_6*-0.833434)+ (y_6_7*2.03825));
y_7_5 = tanh (-0.457632+ (y_6_1*-0.960112)+ (y_6_2*0.48518)+ (y_6_3*-1.73468)+ (y_6_4*2.04758)+ (y_6_5*0.882867)+ (y_6_6*-1.49066)+ (y_6_7*0.92259));
y_7_6 = tanh (-1.72532+ (y_6_1*0.869093)+ (y_6_2*0.246819)+ (y_6_3*0.577489)+ (y_6_4*0.356246)+ (y_6_5*-0.322739)+ (y_6_6*1.92393)+ (y_6_7*1.99673));
y_8_1 = tanh (-1.78414+ (y_7_1*-1.61514)+ (y_7_2*-2.00334)+ (y_7_3*-1.10237)+ (y_7_4*-1.34064)+ (y_7_5*1.20638)+ (y_7_6*-0.777696));
y_8_2 = tanh (-0.592463+ (y_7_1*1.05546)+ (y_7_2*0.184232)+ (y_7_3*-0.697283)+ (y_7_4*-1.32356)+ (y_7_5*-1.90241)+ (y_7_6*-1.19088));
y_8_3 = tanh (-0.567622+ (y_7_1*-1.46944)+ (y_7_2*0.788162)+ (y_7_3*2.20875)+ (y_7_4*1.18791)+ (y_7_5*-0.0350023)+ (y_7_6*-0.486264));
y_8_4 = tanh (-0.479707+ (y_7_1*-1.26615)+ (y_7_2*-1.19541)+ (y_7_3*1.12767)+ (y_7_4*1.24333)+ (y_7_5*-0.6141)+ (y_7_6*-0.281737));
```

```
scaled_LAGTFP = (1.09095+ (y_8_1*0.132204)+ (y_8_2*-0.445517)+ (y_8_3*-1.32346)+ (y_8_4*1.27158));
LAGTFP = (0.5*(scaled_LAGTFP+1.0)*(8.21649-2.17844)+2.17844);
```