Shape\*Size Bin Tukey Test Results:

Tukey multiple comparisons of means

95% family-wise confidence level

Fit: aov(formula = log\_difference ~ shape \* size\_bin\_char, data = SVCprey\_model\_data)

$shape

diff lwr upr p adj

fusiform-elongated 1.7177372 1.5259136 1.9095609 0.0000000

compressiform-elongated 1.9786882 1.7798928 2.1774836 0.0000000

globiform-elongated 1.1745257 0.7694274 1.5796239 0.0000000

compressiform-fusiform 0.2609509 0.1054634 0.4164384 0.0000963

globiform-fusiform -0.5432116 -0.9289075 -0.1575156 0.0016934

globiform-compressiform -0.8041625 -1.1933728 -0.4149522 0.0000007

$size\_bin\_char

diff lwr upr p adj

2-1 0.69078017 0.48781814 0.8937422 0.0000000

3-1 1.47231018 1.23185649 1.7127639 0.0000000

4-1 0.73264055 0.46196213 1.0033190 0.0000000

5-1 0.98161955 0.69681234 1.2664268 0.0000000

6-1 1.73641332 1.37549477 2.0973319 0.0000000

3-2 0.78153001 0.55073330 1.0123267 0.0000000

4-2 0.04186038 -0.22027690 0.3039977 0.9975582

5-2 0.29083938 0.01413685 0.5675419 0.0327455

6-2 1.04563315 0.69107520 1.4001911 0.0000000

4-3 -0.73966963 -1.03180032 -0.4475389 0.0000000

5-3 -0.49069063 -0.79595883 -0.1854224 0.0000686

6-3 0.26410314 -0.11317093 0.6413772 0.3449352

5-4 0.24897900 -0.08062305 0.5785810 0.2601885

6-4 1.00377277 0.60655172 1.4009938 0.0000000

6-5 0.75479377 0.34781355 1.1617740 0.0000019

$`shape:size\_bin\_char`

diff lwr upr p adj

fusiform:1-elongated:1 1.6078836364 1.155398434 2.06036884 0.0000000

compressiform:1-elongated:1 2.2315893871 1.714129294 2.74904948 0.0000000

globiform:1-elongated:1 1.4436806605 0.518972452 2.36838887 0.0000038

elongated:2-elongated:1 1.3430573712 0.833844564 1.85227018 0.0000000

fusiform:2-elongated:1 2.2101089006 1.792473179 2.62774462 0.0000000

compressiform:2-elongated:1 2.6447275128 2.220901590 3.06855344 0.0000000

globiform:2-elongated:1 1.7838311043 0.831062251 2.73659996 0.0000000

elongated:3-elongated:1 2.1856837620 1.361736450 3.00963107 0.0000000

fusiform:3-elongated:1 3.1378841100 2.677634526 3.59813369 0.0000000

compressiform:3-elongated:1 3.4355723407 2.934588940 3.93655574 0.0000000

globiform:3-elongated:1 2.1704950492 0.232362097 4.10862800 0.0101826

elongated:4-elongated:1 1.6624756249 0.532234964 2.79271629 0.0000240

fusiform:4-elongated:1 2.6439808226 2.124542314 3.16341933 0.0000000

compressiform:4-elongated:1 2.3712055692 1.823857246 2.91855389 0.0000000

globiform:4-elongated:1 2.2412123183 0.686966756 3.79545788 0.0000423

elongated:5-elongated:1 3.2266955491 0.262929429 6.19046167 0.0158129

fusiform:5-elongated:1 2.8655289642 2.326256124 3.40480180 0.0000000

compressiform:5-elongated:1 2.6879612166 2.138496496 3.23742594 0.0000000

globiform:5-elongated:1 4.4985767654 2.390987057 6.60616647 0.0000000

elongated:6-elongated:1 4.1742851244 1.641389650 6.70718060 0.0000006

fusiform:6-elongated:1 3.4188104087 2.794771822 4.04284900 0.0000000

compressiform:6-elongated:1 3.6910989163 2.914325744 4.46787209 0.0000000

globiform:6-elongated:1 2.5407776853 -0.422988435 5.50454381 0.2236108

compressiform:1-fusiform:1 0.6237057507 0.101604685 1.14580682 0.0033065

globiform:1-fusiform:1 -0.1642029760 -1.091516215 0.76311026 1.0000000

elongated:2-fusiform:1 -0.2648262652 -0.778754526 0.24910200 0.9736351

fusiform:2-fusiform:1 0.6022252641 0.178852886 1.02559764 0.0000617

compressiform:2-fusiform:1 1.0368438764 0.607363974 1.46632378 0.0000000

globiform:2-fusiform:1 0.1759474679 -0.779349901 1.13124484 1.0000000

elongated:3-fusiform:1 0.5778001256 -0.249069724 1.40466997 0.6428328

fusiform:3-fusiform:1 1.5300004735 1.064539139 1.99546181 0.0000000

compressiform:3-fusiform:1 1.8276887043 1.321913120 2.33346429 0.0000000

globiform:3-fusiform:1 0.5626114128 -1.376765785 2.50198861 0.9999965

elongated:4-fusiform:1 0.0545919884 -1.077780974 1.18696495 1.0000000

fusiform:4-fusiform:1 1.0360971861 0.512035226 1.56015915 0.0000000

compressiform:4-fusiform:1 0.7633219328 0.211583986 1.31505988 0.0001288

globiform:4-fusiform:1 0.6333286818 -0.922468169 2.18912553 0.9988629

elongated:5-fusiform:1 1.6188119126 -1.345768022 4.58339185 0.9504238

fusiform:5-fusiform:1 1.2576453278 0.713917666 1.80137299 0.0000000

compressiform:5-fusiform:1 1.0800775802 0.526240011 1.63391515 0.0000000

globiform:5-fusiform:1 2.8906931290 0.781959160 4.99942710 0.0001629

elongated:6-fusiform:1 2.5664014880 0.032553809 5.10024917 0.0427350

fusiform:6-fusiform:1 1.8109267723 1.183034479 2.43881907 0.0000000

compressiform:6-fusiform:1 2.0832152799 1.303342768 2.86308779 0.0000000

globiform:6-fusiform:1 0.9328940488 -2.031685886 3.89747398 0.9999843

globiform:1-compressiform:1 -0.7879087266 -1.748602192 0.17278474 0.3044684

elongated:2-compressiform:1 -0.8885320159 -1.460497353 -0.31656668 0.0000045

fusiform:2-compressiform:1 -0.0214804865 -0.513685993 0.47072502 1.0000000

compressiform:2-compressiform:1 0.4131381257 -0.084330543 0.91060679 0.2804186

globiform:2-compressiform:1 -0.4477582828 -1.435490611 0.53997405 0.9946852

elongated:3-compressiform:1 -0.0459056251 -0.910044409 0.81823316 1.0000000

fusiform:3-compressiform:1 0.9062947229 0.377450376 1.43513907 0.0000001

compressiform:3-compressiform:1 1.2039829536 0.639331706 1.76863420 0.0000000

globiform:3-compressiform:1 -0.0610943379 -2.016652060 1.89446338 1.0000000

elongated:4-compressiform:1 -0.5691137622 -1.728980399 0.59075287 0.9852340

fusiform:4-compressiform:1 0.4123914355 -0.168696362 0.99347923 0.6112580

compressiform:4-compressiform:1 0.1396161821 -0.466549514 0.74578188 1.0000000

globiform:4-compressiform:1 0.0096229312 -1.566297731 1.58554359 1.0000000

elongated:5-compressiform:1 0.9951061620 -1.980083963 3.97029629 0.9999538

fusiform:5-compressiform:1 0.6339395771 0.035055731 1.23282342 0.0238004

compressiform:5-compressiform:1 0.4563718295 -0.151705586 1.06444924 0.4914971

globiform:5-compressiform:1 2.2669873783 0.143362872 4.39061188 0.0211139

elongated:6-compressiform:1 1.9426957373 -0.603557618 4.48894909 0.4556295

fusiform:6-compressiform:1 1.1872210216 0.511002993 1.86343905 0.0000000

compressiform:6-compressiform:1 1.4595095292 0.640227389 2.27879167 0.0000000

globiform:6-compressiform:1 0.3091882982 -2.666001827 3.28437842 1.0000000

elongated:2-globiform:1 -0.1006232893 -1.056899750 0.85565317 1.0000000

fusiform:2-globiform:1 0.7664282401 -0.144388197 1.67724468 0.2561274

compressiform:2-globiform:1 1.2010468523 0.287375468 2.11471824 0.0004488

globiform:2-globiform:1 0.3401504438 -0.910023734 1.59032462 0.9999990

elongated:3-globiform:1 0.7420031015 -0.413010387 1.89701659 0.7919954

fusiform:3-globiform:1 1.6942034495 0.763076892 2.62533001 0.0000000

compressiform:3-globiform:1 1.9918916802 1.039971855 2.94381151 0.0000000

globiform:3-globiform:1 0.7268143888 -1.373548991 2.82717777 0.9999170

elongated:4-globiform:1 0.2187949644 -1.171388814 1.60897874 1.0000000

fusiform:4-globiform:1 1.2003001621 0.238539615 2.16206071 0.0013971

compressiform:4-globiform:1 0.9275249087 -0.049591857 1.90464167 0.0898390

globiform:4-globiform:1 0.7975316578 -0.954851364 2.54991468 0.9943941

elongated:5-globiform:1 1.7830148886 -1.289293136 4.85532291 0.9099485

fusiform:5-globiform:1 1.4218483037 0.449232150 2.39446446 0.0000287

compressiform:5-globiform:1 1.2442805562 0.265976685 2.22258443 0.0009371

globiform:5-globiform:1 3.0548961049 0.797220007 5.31257220 0.0002252

elongated:6-globiform:1 2.7306044639 0.071520699 5.38968823 0.0358542

fusiform:6-globiform:1 1.9751297482 0.953077331 2.99718217 0.0000000

compressiform:6-globiform:1 2.2474182558 1.125569983 3.36926653 0.0000000

globiform:6-globiform:1 1.0970970248 -1.975211000 4.16940505 0.9998588

fusiform:2-elongated:2 0.8670515294 0.383523872 1.35057919 0.0000000

compressiform:2-elongated:2 1.3016701416 0.812785890 1.79055439 0.0000000

globiform:2-elongated:2 0.4407737331 -0.542663040 1.42421051 0.9954474

elongated:3-elongated:2 0.8426263908 -0.016599175 1.70185196 0.0629043

fusiform:3-elongated:2 1.7948267387 1.274049360 2.31560412 0.0000000

compressiform:3-elongated:2 2.0925149695 1.535411957 2.64961798 0.0000000

globiform:3-elongated:2 0.8274376780 -1.125953921 2.78082928 0.9979502

elongated:4-elongated:2 0.3194182536 -0.836792519 1.47562903 0.9999986

fusiform:4-elongated:2 1.3009234513 0.727167612 1.87467929 0.0000000

compressiform:4-elongated:2 1.0281481980 0.429007492 1.62728890 0.0000001

globiform:4-elongated:2 0.8981549471 -0.675076971 2.47138686 0.9228018

elongated:5-elongated:2 1.8836381778 -1.090128628 4.85740498 0.8125838

fusiform:5-elongated:2 1.5224715930 0.930699175 2.11424401 0.0000000

compressiform:5-elongated:2 1.3449038454 0.743829077 1.94597861 0.0000000

globiform:5-elongated:2 3.1555193942 1.033889413 5.27714938 0.0000173

elongated:6-elongated:2 2.8312277532 0.286637632 5.37581787 0.0112969

fusiform:6-elongated:2 2.0757530375 1.405825014 2.74568106 0.0000000

compressiform:6-elongated:2 2.3480415451 1.533943296 3.16213979 0.0000000

globiform:6-elongated:2 1.1977203141 -1.776046491 4.17148712 0.9990326

compressiform:2-fusiform:2 0.4346186122 0.042025025 0.82721220 0.0122335

globiform:2-fusiform:2 -0.4262777963 -1.365569977 0.51301438 0.9946039

elongated:3-fusiform:2 -0.0244251386 -0.832750869 0.78390059 1.0000000

fusiform:3-fusiform:2 0.9277752094 0.496114473 1.35943595 0.0000000

compressiform:3-fusiform:2 1.2254634401 0.750610116 1.70031676 0.0000000

globiform:3-fusiform:2 -0.0396138513 -1.971157445 1.89192974 1.0000000

elongated:4-fusiform:2 -0.5476332757 -1.666536875 0.57127032 0.9856837

fusiform:4-fusiform:2 0.4338719220 -0.060413093 0.92815694 0.1857492

compressiform:4-fusiform:2 0.1610966686 -0.362440818 0.68463415 0.9999895

globiform:4-fusiform:2 0.0311034177 -1.514917468 1.57712430 1.0000000

elongated:5-fusiform:2 1.0165866485 -1.942874608 3.97604790 0.9999268

fusiform:5-fusiform:2 0.6554200636 0.140331228 1.17050890 0.0009282

compressiform:5-fusiform:2 0.4778523161 -0.047897426 1.00360206 0.1374058

globiform:5-fusiform:2 2.2884678648 0.186936116 4.38999961 0.0157609

elongated:6-fusiform:2 1.9641762238 -0.563680734 4.49203318 0.4161114

fusiform:6-fusiform:2 1.2087015081 0.605439152 1.81196386 0.0000000

compressiform:6-fusiform:2 1.4809900157 0.720807227 2.24117280 0.0000000

globiform:6-fusiform:2 0.3306687847 -2.628792471 3.29013004 1.0000000

globiform:2-compressiform:2 -0.8608964085 -1.802957243 0.08116443 0.1306964

elongated:3-compressiform:2 -0.4590437508 -1.270585063 0.35249756 0.9293723

fusiform:3-compressiform:2 0.4931565972 0.055503986 0.93080921 0.0092112

compressiform:3-compressiform:2 0.7908448279 0.310538159 1.27115150 0.0000006

globiform:3-compressiform:2 -0.4742324636 -2.407123942 1.45865902 0.9999999

elongated:4-compressiform:2 -0.9822518880 -2.103480714 0.13897694 0.1887526

fusiform:4-compressiform:2 -0.0007466903 -0.500272958 0.49877958 1.0000000

compressiform:4-compressiform:2 -0.2735219436 -0.802010653 0.25496677 0.9722914

globiform:4-compressiform:2 -0.4035151945 -1.951219752 1.14418936 0.9999995

elongated:5-compressiform:2 0.5819680362 -2.378373117 3.54230919 1.0000000

fusiform:5-compressiform:2 0.2208014514 -0.299319039 0.74092194 0.9978838

compressiform:5-compressiform:2 0.0432337038 -0.487446621 0.57391403 1.0000000

globiform:5-compressiform:2 1.8538492526 -0.248921421 3.95661993 0.1791863

elongated:6-compressiform:2 1.5295576116 -0.999329419 4.05844464 0.8703235

fusiform:6-compressiform:2 0.7740828959 0.166518672 1.38164712 0.0009028

compressiform:6-compressiform:2 1.0463714035 0.282770271 1.80997254 0.0001644

globiform:6-compressiform:2 -0.1039498275 -3.064290981 2.85639133 1.0000000

elongated:3-globiform:2 0.4018526577 -0.775746331 1.57945165 0.9999346

fusiform:3-globiform:2 1.3540530056 0.395053588 2.31305242 0.0000754

compressiform:3-globiform:2 1.6517412364 0.672540250 2.63094222 0.0000002

globiform:3-globiform:2 0.3866639449 -1.726203667 2.49953156 1.0000000

elongated:4-globiform:2 -0.1213554795 -1.530360148 1.28764919 1.0000000

fusiform:4-globiform:2 0.8601497182 -0.128620512 1.84891995 0.1996897

compressiform:4-globiform:2 0.5873744649 -0.416338837 1.59108777 0.9028278

globiform:4-globiform:2 0.4573812139 -1.309969762 2.22473219 0.9999996

elongated:5-globiform:2 1.4428644447 -1.638005533 4.52373442 0.9918081

fusiform:5-globiform:2 1.0816978599 0.082365382 2.08103034 0.0172449

compressiform:5-globiform:2 0.9041301123 -0.100738876 1.90899910 0.1505027

globiform:5-globiform:2 2.7147456611 0.445431980 4.98405934 0.0032205

elongated:6-globiform:2 2.3904540201 -0.278517634 5.05942567 0.1566739

fusiform:6-globiform:2 1.6349793044 0.587470659 2.68248795 0.0000038

compressiform:6-globiform:2 1.9072678120 0.762179708 3.05235592 0.0000004

globiform:6-globiform:2 0.7569465810 -2.323923397 3.83781656 0.9999999

fusiform:3-elongated:3 0.9522003480 0.121056215 1.78334448 0.0069852

compressiform:3-elongated:3 1.2498885787 0.395514388 2.10426277 0.0000281

globiform:3-elongated:3 -0.0151887128 -2.073180508 2.04280308 1.0000000

elongated:4-elongated:3 -0.5232081371 -1.848506157 0.80208988 0.9992886

fusiform:4-elongated:3 0.4582970606 -0.407027880 1.32362200 0.9641867

compressiform:4-elongated:3 0.1855218072 -0.696839274 1.06788289 1.0000000

globiform:4-elongated:3 0.0555285563 -1.645838587 1.75689570 1.0000000

elongated:5-elongated:3 1.0410117871 -2.002486283 4.08450986 0.9999319

fusiform:5-elongated:3 0.6798452022 -0.197529339 1.55721974 0.4220766

compressiform:5-elongated:3 0.5022774546 -0.381398033 1.38595294 0.9259816

globiform:5-elongated:3 2.3128930034 0.094581648 4.53120436 0.0293141

elongated:6-elongated:3 1.9886013624 -0.637142413 4.61434514 0.4717264

fusiform:6-elongated:3 1.2331266467 0.301249484 2.16500381 0.0003846

compressiform:6-elongated:3 1.5054151543 0.465055865 2.54577444 0.0000384

globiform:6-elongated:3 0.3550939233 -2.688404147 3.39859199 1.0000000

compressiform:3-fusiform:3 0.2976882307 -0.215045387 0.81042185 0.9096044

globiform:3-fusiform:3 -0.9673890607 -2.908592485 0.97381436 0.9821772

elongated:4-fusiform:3 -1.4754084851 -2.610906326 -0.33991064 0.0005851

fusiform:4-fusiform:3 -0.4939032874 -1.024683618 0.03687704 0.1099317

compressiform:4-fusiform:3 -0.7666785407 -1.324801809 -0.20855527 0.0001545

globiform:4-fusiform:3 -0.8966717917 -2.454744532 0.66140095 0.9167105

elongated:5-fusiform:3 0.0888114391 -2.876963503 3.05458638 1.0000000

fusiform:5-fusiform:3 -0.2723551457 -0.822561100 0.27785081 0.9835642

compressiform:5-fusiform:3 -0.4499228933 -1.010121853 0.11027607 0.3464362

globiform:5-fusiform:3 1.3606926555 -0.749720994 3.47110631 0.7864868

elongated:6-fusiform:3 1.0364010144 -1.498844709 3.57164674 0.9987883

fusiform:6-fusiform:3 0.2809262987 -0.352584201 0.91443680 0.9960700

compressiform:6-fusiform:3 0.5532148063 -0.231188123 1.33761774 0.6241093

globiform:6-fusiform:3 -0.5971064247 -3.562881367 2.36866852 1.0000000

globiform:3-compressiform:3 -1.2650772915 -3.216339812 0.68618523 0.7778818

elongated:4-compressiform:3 -1.7730967159 -2.925706813 -0.62048662 0.0000061

fusiform:4-compressiform:3 -0.7915915182 -1.358056387 -0.22512665 0.0000993

compressiform:4-compressiform:3 -1.0643667715 -1.656529140 -0.47220440 0.0000000

globiform:4-compressiform:3 -1.1943600224 -2.764947604 0.37622756 0.4628017

elongated:5-compressiform:3 -0.2088767917 -3.181245493 2.76349191 1.0000000

fusiform:5-compressiform:3 -0.5700433765 -1.154749525 0.01466277 0.0672565

compressiform:5-compressiform:3 -0.7476111241 -1.341730272 -0.15349198 0.0011765

globiform:5-compressiform:3 1.0630044247 -1.056665470 3.18267432 0.9807845

elongated:6-compressiform:3 0.7387127837 -1.804243285 3.28166885 0.9999964

fusiform:6-compressiform:3 -0.0167619320 -0.680456321 0.64693246 1.0000000

compressiform:6-compressiform:3 0.2555265756 -0.553449718 1.06450287 0.9999832

globiform:6-compressiform:3 -0.8947946554 -3.867163357 2.07757405 0.9999930

elongated:4-globiform:3 -0.5080194244 -2.706629214 1.69059037 1.0000000

fusiform:4-globiform:3 0.4734857733 -1.482596388 2.42956793 0.9999999

compressiform:4-globiform:3 0.2007105200 -1.762967469 2.16438851 1.0000000

globiform:4-globiform:3 0.0707172690 -2.373074933 2.51450947 1.0000000

elongated:5-globiform:3 1.0562004998 -2.456683027 4.56908403 0.9999931

fusiform:5-globiform:3 0.6950339150 -1.266408476 2.65647631 0.9998759

compressiform:5-globiform:3 0.5174661674 -1.446802790 2.48173512 0.9999994

globiform:5-globiform:3 2.3280817162 -0.500058209 5.15622164 0.2972773

elongated:6-globiform:3 2.0037900752 -1.154057379 5.16163753 0.8100709

fusiform:6-globiform:3 1.2483153595 -0.738104841 3.23473556 0.8235280

compressiform:6-globiform:3 1.5206038671 -0.518959228 3.56016696 0.5059601

globiform:6-globiform:3 0.3702826360 -3.142600890 3.88316616 1.0000000

fusiform:4-elongated:4 0.9815051977 -0.179245435 2.14225583 0.2474086

compressiform:4-elongated:4 0.7087299444 -0.464775852 1.88223574 0.8719285

globiform:4-elongated:4 0.5787366934 -1.290275060 2.44774845 0.9999883

elongated:5-elongated:4 1.5642199242 -1.576072305 4.70451215 0.9822765

fusiform:5-elongated:4 1.2030533394 0.033292311 2.37281437 0.0351516

compressiform:5-elongated:4 1.0254855918 -0.149008830 2.19998001 0.1939078

globiform:5-elongated:4 2.8361011406 0.486748028 5.18545425 0.0027108

elongated:6-elongated:4 2.5118094996 -0.225540524 5.24915952 0.1257649

fusiform:6-elongated:4 1.7563347839 0.545157743 2.96751183 0.0000361

compressiform:6-elongated:4 2.0286232914 0.732127156 3.32511943 0.0000035

globiform:6-elongated:4 0.8783020604 -2.261990168 4.01859429 0.9999982

compressiform:4-fusiform:4 -0.2727752533 -0.880630719 0.33508021 0.9953699

globiform:4-fusiform:4 -0.4027685043 -1.979339894 1.17380289 0.9999997

elongated:5-fusiform:4 0.5827147265 -2.392820132 3.55824958 1.0000000

fusiform:5-fusiform:4 0.2215481417 -0.379045961 0.82214224 0.9997586

compressiform:5-fusiform:4 0.0439803941 -0.565781493 0.65374228 1.0000000

globiform:5-fusiform:4 1.8545959429 -0.269511507 3.97870339 0.1939285

elongated:6-fusiform:4 1.5303043019 -1.016351852 4.07696046 0.8772991

fusiform:6-fusiform:4 0.7748295862 0.097096425 1.45256275 0.0072367

compressiform:6-fusiform:4 1.0471180937 0.226584950 1.86765124 0.0008716

globiform:6-fusiform:4 -0.1032031373 -3.078737996 2.87233172 1.0000000

globiform:4-compressiform:4 -0.1299932509 -1.715979118 1.45599262 1.0000000

elongated:5-compressiform:4 0.8554899798 -2.125043784 3.83602374 0.9999971

fusiform:5-compressiform:4 0.4943233950 -0.130566275 1.11921306 0.3779656

compressiform:5-compressiform:4 0.3167556474 -0.316950422 0.95046172 0.9815239

globiform:5-compressiform:4 2.1273711962 -0.003733278 4.25847567 0.0510684

elongated:6-compressiform:4 1.8030795552 -0.749415575 4.35557469 0.6208300

fusiform:6-compressiform:4 1.0476048395 0.348250808 1.74695887 0.0000140

compressiform:6-compressiform:4 1.3198933471 0.481413494 2.15837320 0.0000029

globiform:6-compressiform:4 0.1695721161 -2.810961648 3.15010588 1.0000000

elongated:5-globiform:4 0.9854832308 -2.331091900 4.30205836 0.9999945

fusiform:5-globiform:4 0.6243166460 -0.958900389 2.20753368 0.9993011

compressiform:5-globiform:4 0.4467488984 -1.139968613 2.03346641 0.9999980

globiform:5-globiform:4 2.2573644471 -0.322886580 4.83761547 0.1908365

elongated:6-globiform:4 1.9330728061 -1.004838096 4.87098371 0.7539860

fusiform:6-globiform:4 1.1775980904 -0.436460503 2.79165668 0.5528451

compressiform:6-globiform:4 1.4498865980 -0.229142152 3.12891535 0.2115557

globiform:6-globiform:4 0.2995653670 -3.017009764 3.61614050 1.0000000

fusiform:5-elongated:5 -0.3611665848 -3.340227935 2.61789477 1.0000000

compressiform:5-elongated:5 -0.5387343324 -3.519657479 2.44218881 1.0000000

globiform:5-elongated:5 1.2718812164 -2.337263517 4.88102595 0.9998869

elongated:6-elongated:5 0.9475895754 -2.925335781 4.82051493 0.9999999

fusiform:6-elongated:5 0.1921148597 -2.803451112 3.18768083 1.0000000

compressiform:6-elongated:5 0.4644033672 -2.566663754 3.49547049 1.0000000

globiform:6-elongated:5 -0.6859178638 -4.853399231 3.48156350 1.0000000

compressiform:5-fusiform:5 -0.1775677476 -0.804312026 0.44917653 0.9999977

globiform:5-fusiform:5 1.6330478012 -0.495996888 3.76209249 0.4440595

elongated:6-fusiform:5 1.3087561602 -1.242019486 3.85953181 0.9749048

fusiform:6-fusiform:5 0.5532814445 -0.139770552 1.24633344 0.3588540

compressiform:6-fusiform:5 0.8255699521 -0.007660792 1.65880070 0.0558278

globiform:6-fusiform:5 -0.3247512789 -3.303812629 2.65431007 1.0000000

globiform:5-compressiform:5 1.8106155488 -0.321033478 3.94226458 0.2394693

elongated:6-compressiform:5 1.4863239078 -1.066625892 4.03927371 0.9072777

fusiform:6-compressiform:5 0.7308491921 0.029837529 1.43186086 0.0293419

compressiform:6-compressiform:5 1.0031376997 0.163274761 1.84300064 0.0033169

globiform:6-compressiform:5 -0.1471835314 -3.128106678 2.83373962 1.0000000

elongated:6-globiform:5 -0.3242916410 -3.588885885 2.94030260 1.0000000

fusiform:6-globiform:5 -1.0797663567 -3.231844481 1.07231177 0.9806765

compressiform:6-globiform:5 -0.8074778491 -3.008703111 1.39374741 0.9997796

globiform:6-globiform:5 -1.9577990801 -5.566943814 1.65134565 0.9537244

fusiform:6-elongated:6 -0.7554747157 -3.325506886 1.81455746 0.9999955

compressiform:6-elongated:6 -0.4831862081 -3.094511114 2.12813870 1.0000000

globiform:6-elongated:6 -1.6335074391 -5.506432795 2.23941792 0.9980744

compressiform:6-fusiform:6 0.2722885076 -0.618150954 1.16272797 0.9999907

globiform:6-fusiform:6 -0.8780327234 -3.873598695 2.11753325 0.9999957

globiform:6-compressiform:6 -1.1503212310 -4.181388352 1.88074589 0.9996179