

File

File name: D:/RWorkSpaces/mtcars.xlsx
Format: Microsoft Excel spreadsheet

Data

Data instances: 32
Features: mpg, cyl, disp, hp, drat, wt, qsec, vs, am, gear, carb (total: 11 features)

Data instances: 32
Features: 11
Meta attributes: None

| | mpg | cyl | disp | hp | drat | wt | qsec | vs | am | gear |
|----|----------------------|----------------------|------------------------|----------------------|----------------------|-----------------------|-----------------------|---------------------|---------------------|--------------------|
| 1 | 0.15088482464765673 | -0.10498780857523934 | -0.570619818667903789 | -0.53509283973021748 | 0.56751368537633884 | -0.610399567481535232 | -0.777165145454421835 | -0.8680277773333190 | 1.1899014180239407 | 0.4235541856104691 |
| 2 | 0.15088482464765673 | -0.10498780857523934 | -0.570619818667903789 | -0.53509283973021748 | 0.56751368537633884 | -0.349785269100971907 | -0.463780820374691261 | -0.8680277773333190 | 1.1899014180239407 | 0.4235541856104691 |
| 3 | 0.44954344663064727 | -1.22485776671112578 | -0.990182090888924393 | -0.78304045882156181 | 0.47399958685912569 | -0.917004624399845536 | 0.426006816905259933 | 1.1160357137142674 | 1.1899014180239407 | 0.4235541856104691 |
| 4 | 0.21725340731054324 | -0.10498780857523934 | 0.220093694364019682 | -0.53509283973021748 | -0.96611753030596159 | -0.002299537926887412 | 0.890487155862719759 | 1.1160357137142674 | -0.8141430754900646 | -0.931819208343033 |
| 5 | -0.23073452566394223 | 1.01488214956064704 | 1.043081228336021793 | 0.41294217444256986 | -0.83519779238186309 | 0.227654254761845171 | -0.463780820374691261 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 6 | -0.33028739965827203 | -0.10498780857523934 | -0.046166978391628026 | -0.60801861005120106 | -1.56460776081612818 | 0.248094591889732513 | 1.326986751509487084 | 1.1160357137142674 | -0.8141430754900646 | -0.931819208343033 |
| 7 | -0.96078893495569639 | 1.01488214956064704 | 1.043081228336021793 | 1.43390295893634079 | -0.72298087416120682 | 0.360516446093112730 | -1.124126362506981947 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 8 | 0.71501777728219396 | -1.22485776671112578 | -0.677930938293664909 | -1.23518023481166028 | 0.17475447160404234 | -0.027849959336746485 | 1.203871480942450445 | 1.1160357137142674 | -0.8141430754900646 | 0.4235541856104691 |
| 9 | 0.44954344663064727 | -1.22485776671112578 | -0.7253535119180280574 | -0.75387015069316832 | 0.60491932478322419 | -0.068730633592521184 | 2.826754592962486434 | 1.1160357137142674 | -0.8141430754900646 | 0.4235541856104691 |
| 10 | -0.14777379733533380 | -0.10498780857523934 | -0.509299178881754688 | -0.34548583689565998 | 0.60491932478322419 | 0.227654254761845171 | 0.252526208378980821 | 1.1160357137142674 | -0.8141430754900646 | 0.4235541856104691 |
| 11 | -0.38006383665543719 | -0.10498780857523934 | -0.509299178881754688 | -0.34548583689565998 | 0.60491932478322419 | 0.227654254761845171 | 0.588295128107263143 | 1.1160357137142674 | -0.8141430754900646 | 0.4235541856104691 |
| 12 | -0.61235387597554125 | 1.01488214956064704 | 0.363713087547369140 | 0.48586794476355349 | -0.98482035000940471 | 0.871524874290296458 | -0.251127171213445632 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 13 | -0.46302456498404565 | 1.01488214956064704 | 0.363713087547369140 | 0.48586794476355349 | -0.98482035000940471 | 0.524039143116211470 | -0.139204197970682841 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 14 | -0.81145962396420135 | 1.01488214956064704 | 0.363713087547369140 | 0.48586794476355349 | -0.98482035000940471 | 0.575139985935929632 | 0.084641748514838688 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 15 | -1.60788261591884218 | 1.01488214956064704 | 1.946753814658219950 | 0.85049679636847164 | -1.24665982585760182 | 2.077504764835648832 | 0.073449451190562814 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 16 | -1.60788261591884218 | 1.01488214956064704 | 1.849931751837984528 | 0.996334833701043901 | -1.11574008793350332 | 2.255335697848269039 | -0.016088927403646203 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 17 | -0.89442035229280981 | 1.01488214956064704 | 1.688561647137591937 | 1.21512564797338984 | -0.68557523475432136 | 2.174596366193113361 | -0.239934873889167732 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 18 | 2.04238943053992905 | -1.22485776671112578 | -1.226589294274999631 | -1.17683961855487351 | 0.90416444003830754 | -1.039646647167169258 | 0.907275601849132585 | 1.1160357137142674 | 1.1899014180239407 | 0.4235541856104691 |
| 19 | 1.71054651722549522 | -1.22485776671112578 | -1.250794809980058542 | -1.38103177545362765 | 2.49390411483093555 | -1.637526508157873817 | 0.375641478946017460 | 1.1160357137142674 | 1.1899014180239407 | 0.4235541856104691 |
| 20 | 2.29127161552575442 | -1.22485776671112578 | -1.287909934061148842 | -1.19142477261907009 | 1.16600391588650454 | -1.412682799751113105 | 1.147909994321068883 | 1.1160357137142674 | 1.1899014180239407 | 0.4235541856104691 |
| 21 | 0.23384555297626516 | -1.22485776671112578 | -0.892553177545187038 | -0.72469984256477493 | 0.19345729130748546 | -0.768812180222662400 | 1.209467629604589201 | 1.1160357137142674 | -0.8141430754900646 | -0.931819208343033 |
| 22 | -0.76168318696703619 | 1.01488214956064704 | 0.704204008465197373 | 0.04831332283765166 | -1.56460776081612818 | 0.309415603273394568 | -0.547723050306761383 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 23 | -0.81145962396420135 | 1.01488214956064704 | 0.591244935174922603 | 0.04831332283765166 | -0.83519779238186309 | 0.222544170479873432 | -0.307088657834824974 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 24 | -1.12671039161291331 | 1.01488214956064704 | 0.962396175985825386 | 1.43390295893634079 | 0.24956575041781318 | 0.636460997319591715 | -1.364760754978918245 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 25 | -0.14777379733533380 | 1.01488214956064704 | 1.365821437736806754 | 0.41294217444256986 | -0.96611753030596159 | 0.641571081601563842 | -0.446992374388276437 | -0.8680277773333190 | -0.8141430754900646 | -0.931819208343033 |
| 26 | 1.19619000158812328 | -1.22485776671112578 | -1.224168742704493607 | -1.17683961855487351 | 0.90416444003830754 | -1.310481114111676337 | 0.588295128107263143 | 1.1160357137142674 | 1.1899014180239407 | 0.4235541856104691 |
| 27 | 0.98049210793374120 | -1.22485776671112578 | -0.890939476498183058 | -0.81221076694995531 | 1.55876312965880115 | -1.100967658550831230 | -0.642857577563109239 | -0.8680277773333190 | 1.1899014180239407 | 1.778927579563972 |
| 28 | 1.71054651722549522 | -1.22485776671112578 | -1.094265808420677777 | -0.49133737753762724 | 0.32437702923158401 | -1.741772227510099302 | -0.530934604320348558 | 1.1160357137142674 | 1.1899014180239407 | 1.778927579563972 |
| 29 | -0.71190674996987102 | 1.01488214956064704 | 0.970464681220845060 | 1.71102088615607872 | 1.16600391588650454 | -0.048290296464633835 | -1.874010283233481733 | -0.8680277773333190 | 1.1899014180239407 | 1.778927579563972 |
| 30 | -0.06481306900672534 | -0.10498780857523934 | -0.691647397193198232 | 0.41294217444256986 | 0.04383473367994381 | -0.457097039022380358 | -1.314395417019675882 | -0.8680277773333190 | 1.1899014180239407 | 1.778927579563972 |
| 31 | -0.84464391529584464 | 1.01488214956064704 | 0.567039419469863692 | 2.74656682471404645 | -0.10578782394759785 | 0.360516446093112730 | -1.818048796612101281 | -0.8680277773333190 | 1.1899014180239407 | 1.778927579563972 |
| 32 | 0.21725340731054324 | -1.22485776671112578 | -0.885291522833669298 | -0.54967799379441418 | 0.96027289914863612 | -0.446876870458436937 | 0.420410668243123009 | 1.1160357137142674 | 1.1899014180239407 | 0.4235541856104691 |

Number of clusters: 5
Optimization: initialize with KMeans++, 20 re-runs limited to 300 steps

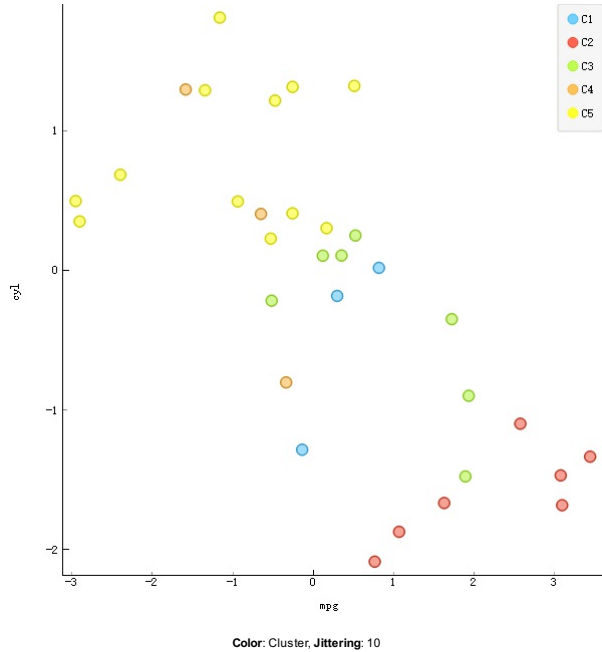
Data

Data instances: 32
Features: mpg, cyl, disp, hp, drat, wt, qsec, vs, am, gear, carb (total: 11 features)

Silhouette scores for different numbers of clusters

- 2 0.409
- 3 0.405
- 4 0.429
- 5 0.422
- 6 0.403
- 7 0.346
- 8 0.388





Data Table

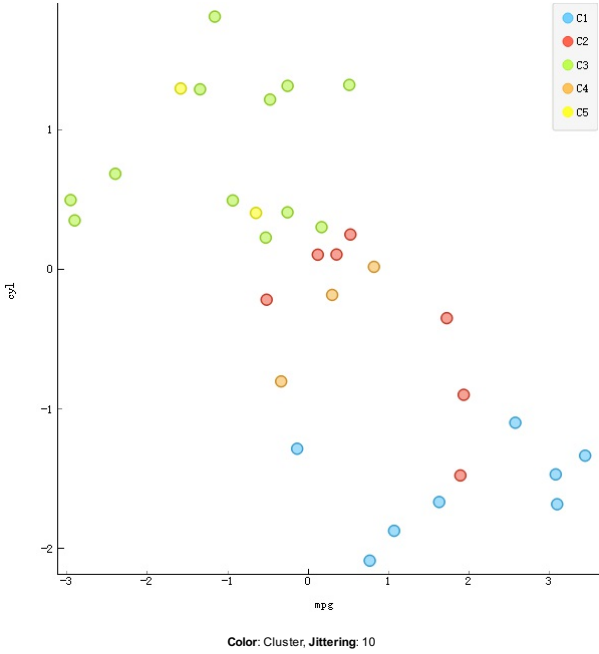
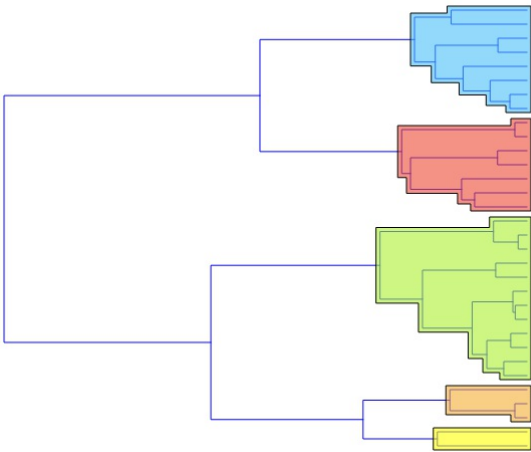
Data instances: 32
Features: 11
Meta attributes: None
Targets: 2

| | Cluster | Silhouette | mpg | cyl | dis | hp | drat | wt | qsec | vs | am |
|----|---------|------------|----------------------|----------------------|-----------------------|----------------------|----------------------|-----------------------|-----------------------|---------------------|---------------------|
| 1 | C1 | 0.668 | 0.15088482464765673 | -0.10498780857523934 | -0.570619818667903789 | -0.53509283973021748 | 0.56751368537633884 | -0.610399567481535232 | -0.77716514544421835 | -0.8680277773333190 | 1.1899014180239407 |
| 2 | C1 | 0.667 | 0.15088482464765673 | -0.10498780857523934 | -0.570619818667903789 | -0.53509283973021748 | 0.56751368537633884 | -0.349785269100971907 | -0.463780820374691261 | -0.8680277773333190 | 1.1899014180239407 |
| 3 | C2 | 0.624 | 0.44954344663064727 | -1.22485776671112578 | -0.990182090888924393 | -0.78304045882156181 | 0.47399958685912569 | -0.917004624399845536 | 0.426006816905259933 | 1.1160357137142674 | 1.1899014180239407 |
| 4 | C3 | 0.603 | 0.21725340731054324 | -0.10498780857523934 | 0.220093694364019682 | -0.53509283973021748 | -0.96611753030596159 | -0.002299537926887412 | 0.890487155862719759 | 1.1160357137142674 | -0.8141430754900646 |
| 5 | C5 | 0.668 | -0.23073452566394223 | 1.01488214956064704 | 1.043081228336021793 | 0.41294217444256986 | -0.83519779238186309 | 0.227654254761845171 | -0.463780820374691261 | -0.8680277773333190 | -0.8141430754900646 |
| 6 | C3 | 0.591 | -0.33028739965827203 | -0.10498780857523934 | -0.046166978391628026 | -0.60801861005120106 | -1.56460776081612818 | 0.248094591889732513 | 1.326986751509487084 | 1.1160357137142674 | -0.8141430754900646 |
| 7 | C5 | 0.659 | -0.96078893495569639 | 1.01488214956064704 | 1.043081228336021793 | 1.43390295893634079 | -0.72298087416120682 | 0.360516446093112730 | -1.124126362506981947 | -0.8680277773333190 | -0.8141430754900646 |
| 8 | C3 | 0.576 | 0.71501777728219396 | -1.22485776671112578 | -0.677930938293664909 | -1.23518023481166028 | 0.17475447160404234 | -0.027849959336746485 | 1.203871480942450445 | 1.1160357137142674 | -0.8141430754900646 |
| 9 | C3 | 0.575 | 0.44954344663064727 | -1.22485776671112578 | -0.725535119180280574 | -0.75387015069316832 | 0.60491932478322419 | -0.068730633592521184 | 2.826754592962486434 | 1.1160357137142674 | -0.8141430754900646 |
| 10 | C3 | 0.581 | -0.1477737973353380 | -0.10498780857523934 | -0.509299178881754688 | -0.34548583689565998 | 0.60491932478322419 | 0.227654254761845171 | 0.252526208378980821 | 1.1160357137142674 | -0.8141430754900646 |
| 11 | C3 | 0.595 | -0.38006383665543719 | -0.10498780857523934 | -0.509299178881754688 | -0.34548583689565998 | 0.60491932478322419 | 0.227654254761845171 | 0.588295128107263143 | 1.1160357137142674 | -0.8141430754900646 |
| 12 | C5 | 0.678 | -0.61235387597554125 | 1.01488214956064704 | 0.363713087547369140 | 0.48586794476355349 | -0.98482035000940471 | 0.871524874290296458 | -0.251127171213445632 | -0.8680277773333190 | -0.8141430754900646 |
| 13 | C5 | 0.673 | -0.46302456498404565 | 1.01488214956064704 | 0.363713087547369140 | 0.48586794476355349 | -0.98482035000940471 | 0.524039143116211470 | -0.139204197970682841 | -0.8680277773333190 | -0.8141430754900646 |
| 14 | C5 | 0.671 | -0.81145962396420135 | 1.01488214956064704 | 0.363713087547369140 | 0.48586794476355349 | -0.98482035000940471 | 0.575139985935929632 | 0.084641748514838688 | -0.8680277773333190 | -0.8141430754900646 |
| 15 | C5 | 0.665 | -1.60788261591884218 | 1.01488214956064704 | 1.946753814658219950 | 0.85049679636847164 | -1.24665982585760182 | 2.077504764835648832 | 0.073449451190562814 | -0.8680277773333190 | -0.8141430754900646 |
| 16 | C5 | 0.665 | -1.60788261591884218 | 1.01488214956064704 | 1.849931751837984528 | 0.99634833701043901 | -1.11574008793350332 | 2.255335697848269039 | -0.016088927403646203 | -0.8680277773333190 | -0.8141430754900646 |
| 17 | C5 | 0.667 | -0.89442035229280981 | 1.01488214956064704 | 1.688561647137591937 | 1.21512564797338984 | -0.68557523475432136 | 2.174596366193113361 | -0.239934873889167732 | -0.8680277773333190 | -0.8141430754900646 |
| 18 | C2 | 0.663 | 2.04238943053992905 | -1.22485776671112578 | -1.226589294274999631 | -1.17683961855487351 | 0.90416444003830754 | -1.039646647167169258 | 0.907275601849132585 | 1.1160357137142674 | 1.1899014180239407 |
| 19 | C2 | 0.617 | 1.71054651722549522 | -1.22485776671112578 | -1.250794809980058542 | -1.38103177545362765 | 2.49390411483093555 | -1.637526508157873817 | 0.375641478946017460 | 1.1160357137142674 | 1.1899014180239407 |
| 20 | C2 | 0.658 | 2.29127161552575442 | -1.22485776671112578 | -1.287909934061148842 | -1.19142477261907009 | 1.16600391588650454 | -1.412682799751113105 | 1.147909994321068883 | 1.1160357137142674 | 1.1899014180239407 |
| 21 | C3 | 0.578 | 0.23384555297626516 | -1.22485776671112578 | -0.892553177545187038 | -0.72469984256477493 | 0.19345729130748546 | -0.768812180222662400 | 1.209467629604589201 | 1.1160357137142674 | -0.8141430754900646 |
| 22 | C5 | 0.663 | -0.76168318696703619 | 1.01488214956064704 | 0.704204008465197373 | 0.04831332283765166 | -1.56460776081612818 | 0.309415603273394568 | -0.547723050306761383 | -0.8680277773333190 | -0.8141430754900646 |
| 23 | C5 | 0.661 | -0.81145962396420135 | 1.01488214956064704 | 0.591244935174922603 | 0.04831332283765166 | -0.83519779238186309 | 0.222544170479873432 | -0.307088657834824974 | -0.8680277773333190 | -0.8141430754900646 |
| 24 | C5 | 0.633 | -1.12671039161291331 | 1.01488214956064704 | 0.962396175985825386 | 1.43390295893634079 | 0.24956575041781318 | 0.636460997319591715 | -1.364760754978918245 | -0.8680277773333190 | -0.8141430754900646 |
| 25 | C5 | 0.671 | -0.1477737973353380 | 1.01488214956064704 | 1.365821437736806754 | 0.41294217444256986 | -0.96611753030596159 | 0.641571081601563842 | -0.446992374388276437 | -0.8680277773333190 | -0.8141430754900646 |
| 26 | C2 | 0.662 | 1.19619000158812328 | -1.22485776671112578 | -1.224168742704493607 | -1.17683961855487351 | 0.90416444003830754 | -1.310481114111676337 | 0.588295128107263143 | 1.1160357137142674 | 1.1899014180239407 |
| 27 | C1 | 0.539 | 0.98049210793374120 | -1.22485776671112578 | -0.890939476498183058 | -0.81221076694995531 | 1.55876312965880115 | -1.100967658550831230 | -0.642857577563109239 | -0.8680277773333190 | 1.1899014180239407 |
| 28 | C2 | 0.572 | 1.71054651722549522 | -1.22485776671112578 | -1.094265808420677777 | -0.49133737753762724 | 0.32437702923158401 | -1.741772227510099302 | -0.530934604320348558 | 1.1160357137142674 | 1.1899014180239407 |
| 29 | C4 | 0.575 | -0.71190674996987102 | 1.01488214956064704 | 0.970464681220845060 | 1.71102088615607872 | 1.16600391588650454 | -0.048290296464633835 | -1.874010283233481733 | -0.8680277773333190 | 1.1899014180239407 |
| 30 | C4 | 0.451 | -0.06481306900672534 | -0.10498780857523934 | -0.691647397193198232 | 0.41294217444256986 | 0.04383473367994381 | -0.457097039022380358 | -1.314395417019675882 | -0.8680277773333190 | 1.1899014180239407 |
| 31 | C4 | 0.625 | -0.84464391529564464 | 1.01488214956064704 | 0.567039419469863692 | 2.74656682471404645 | -0.10578782394759785 | 0.360516446093112730 | -1.818048796612101281 | -0.8680277773333190 | 1.1899014180239407 |
| 32 | C2 | 0.581 | 0.21725340731054324 | -1.22485776671112578 | -0.885291522833669298 | -0.54967799379441418 | 0.96027289914863612 | -0.446876870458436937 | 0.420410668243123009 | 1.1160357137142674 | 1.1899014180239407 |

Distances

Distances Between: Rows
Metric: Euclidean

Linkage: ward
Annotation: none
Selection: top 5 clusters
Cluster ID in output: Cluster (as meta variable)



Data instances: 32
Features: 11
Meta attributes: 1

| | Cluster | mpg | cyl | displacement | horsepower | drat | wt | qsec | vs | am | gear |
|----|---------|----------------------|----------------------|------------------------|----------------------|----------------------|-----------------------|-----------------------|---------------------|---------------------|-------------|
| 1 | C4 | 0.15088482464765673 | -0.10498780857523934 | -0.570619818667903789 | -0.53509283973021748 | 0.56751368537633884 | -0.610399567481535232 | -0.777165145454421835 | -0.8680277773333190 | 1.1899014180239407 | 0.42355418 |
| 2 | C4 | 0.15088482464765673 | -0.10498780857523934 | -0.570619818667903789 | -0.53509283973021748 | 0.56751368537633884 | -0.349785269100971907 | -0.463780820374691261 | -0.8680277773333190 | 1.1899014180239407 | 0.42355418 |
| 3 | C1 | 0.44954344663064727 | -1.22485776671112578 | -0.990182090888924393 | -0.78304045882156181 | 0.47399958685912569 | -0.917004624399845536 | 0.426006816905259933 | 1.1160357137142674 | 1.1899014180239407 | 0.42355418 |
| 4 | C2 | 0.21725340731054324 | -0.10498780857523934 | 0.220093694364019682 | -0.53509283973021748 | -0.96611753030596159 | -0.002299537926887412 | 0.890487155862719759 | 1.1160357137142674 | -0.8141430754900646 | -0.93181920 |
| 5 | C3 | -0.23073452566394223 | 0.101488214956064704 | 0.1043081228336021793 | 0.41294217444256986 | -0.83519779238186309 | 0.227654254761845171 | -0.463780820374691261 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 6 | C2 | -0.33028739965827203 | -0.10498780857523934 | -0.046166978391628026 | -0.60801861005120106 | -1.56460776081612818 | 0.248094591889732513 | 1.326986751509487084 | 1.1160357137142674 | -0.8141430754900646 | -0.93181920 |
| 7 | C3 | -0.96078893495569639 | 0.101488214956064704 | 0.1043081228336021793 | 1.43390295893634079 | -0.72298087416120682 | 0.360516446093112730 | -1.124126362506981947 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 8 | C2 | 0.71501777728219396 | -1.22485776671112578 | -0.677930938293664909 | -1.23518023481166028 | 0.17475447160404234 | -0.027849959336746485 | 1.203871480942450445 | 1.1160357137142674 | -0.8141430754900646 | 0.42355418 |
| 9 | C2 | 0.44954344663064727 | -1.22485776671112578 | -0.725535119180280574 | -0.75387015069316832 | 0.60491932478322419 | -0.068730633592521184 | 2.826754592962486434 | 1.1160357137142674 | -0.8141430754900646 | 0.42355418 |
| 10 | C2 | -0.14777379733533380 | -0.10498780857523934 | -0.509299178881754688 | -0.34548583689565998 | 0.60491932478322419 | 0.227654254761845171 | 0.252526208378980821 | 1.1160357137142674 | -0.8141430754900646 | 0.42355418 |
| 11 | C2 | -0.38006383665543719 | -0.10498780857523934 | -0.509299178881754688 | -0.34548583689565998 | 0.60491932478322419 | 0.227654254761845171 | 0.588295128107263143 | 1.1160357137142674 | -0.8141430754900646 | 0.42355418 |
| 12 | C3 | -0.61235387597554125 | 0.101488214956064704 | 0.363713087547369140 | 0.48586794476355349 | -0.98482035000940471 | 0.871524874290296458 | -0.251127171213445632 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 13 | C3 | -0.46302456498404565 | 0.101488214956064704 | 0.363713087547369140 | 0.48586794476355349 | -0.98482035000940471 | 0.524039143116211470 | -0.139204197970682841 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 14 | C3 | -0.81145962396420135 | 0.101488214956064704 | 0.363713087547369140 | 0.48586794476355349 | -0.98482035000940471 | 0.575139985935929632 | 0.084641748514838688 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 15 | C3 | -1.60788261591884218 | 0.101488214956064704 | 1.946753814658219950 | 0.85049679636847164 | -1.24665982585760182 | 2.077504764835648832 | 0.073449451190562814 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 16 | C3 | -1.60788261591884218 | 0.101488214956064704 | 1.849931751837984528 | 0.99634833701043901 | -1.11574008793350332 | 2.255335697848269039 | -0.016088927403646203 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 17 | C3 | -0.89442035229280981 | 0.101488214956064704 | 1.688561647137591937 | 1.21512564797338984 | -0.68557523475432136 | 2.174596366193113361 | -0.239934873889167732 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 18 | C1 | 2.04238943053992905 | -1.22485776671112578 | -1.226589294274999631 | -1.17683961855487351 | 0.90416444003830754 | -1.039646647167169258 | 0.907275601849132585 | 1.1160357137142674 | 1.1899014180239407 | 0.42355418 |
| 19 | C1 | 1.71054651722549522 | -1.22485776671112578 | -1.250794809980058542 | -1.38103177545362765 | 2.49390411483093555 | -1.637526508157873817 | 0.375641478946017460 | 1.1160357137142674 | 1.1899014180239407 | 0.42355418 |
| 20 | C1 | 2.29127161552575442 | -1.22485776671112578 | -1.287909934061148842 | -1.19142477261907009 | 1.16600391588650454 | -1.412682799751113105 | 1.147909994321068883 | 1.1160357137142674 | 1.1899014180239407 | 0.42355418 |
| 21 | C2 | 0.23384555297626516 | -1.22485776671112578 | -0.892553177545187038 | -0.72469984256477493 | 0.19345729130748546 | -0.768812180222662400 | 1.209467629604589201 | 1.1160357137142674 | -0.8141430754900646 | -0.93181920 |
| 22 | C3 | -0.76168318696703619 | 0.101488214956064704 | 0.704204008465197373 | 0.04831332283765166 | -1.56460776081612818 | 0.309415603273394568 | -0.547723050306761383 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 23 | C3 | -0.81145962396420135 | 0.101488214956064704 | 0.591244935174922603 | 0.04831332283765166 | -0.83519779238186309 | 0.222544170479873432 | -0.307088657834824974 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 24 | C3 | -1.12671039161291331 | 0.101488214956064704 | 0.962396175985825386 | 1.43390295893634079 | 0.24956575041781318 | 0.636460997319591715 | -1.364760754978918245 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 25 | C3 | -0.14777379733533380 | 0.101488214956064704 | 1.365821437736806754 | 0.41294217444256986 | -0.96611753030596159 | 0.641571081601563842 | -0.446992374388276437 | -0.8680277773333190 | -0.8141430754900646 | -0.93181920 |
| 26 | C1 | 1.19619000158812328 | -1.22485776671112578 | -1.2241687427400493607 | -1.17683961855487351 | 0.90416444003830754 | -1.31048111411676337 | 0.588295128107263143 | 1.1160357137142674 | 1.1899014180239407 | 0.42355418 |
| 27 | C1 | 0.98049210793374120 | -1.22485776671112578 | -0.890939476498183058 | -0.81221076694995531 | 1.58876312965880115 | -1.100967658550831230 | -0.642857577563109239 | -0.8680277773333190 | 1.1899014180239407 | 1.77892757 |
| 28 | C1 | 1.71054651722549522 | -1.22485776671112578 | -1.094265808420677777 | -0.49133737753762724 | 0.32437702923158401 | -1.741772227510099302 | -0.530934604320348558 | 1.1160357137142674 | 1.1899014180239407 | 1.77892757 |
| 29 | C5 | -0.71190674996987102 | 0.101488214956064704 | 0.970464681220845060 | 1.711102088615607872 | 1.16600391588650454 | -0.048290296464633835 | -1.874010283233481733 | -0.8680277773333190 | 1.1899014180239407 | 1.77892757 |
| 30 | C4 | -0.06481306900672534 | -0.10498780857523934 | -0.691647397193198232 | 0.41294217444256986 | 0.04383473367994381 | -0.457097039022380358 | -1.314395417019675882 | -0.8680277773333190 | 1.1899014180239407 | 1.77892757 |
| 31 | C5 | -0.84464391529564464 | 0.101488214956064704 | 0.567039419469863692 | 2.74656682471404645 | -0.10578782394759785 | 0.360516446093112730 | -1.818048796612101281 | -0.8680277773333190 | 1.1899014180239407 | 1.77892757 |
| 32 | C1 | 0.21725340731054324 | -1.22485776671112578 | -0.885291522833669298 | -0.54967799379441418 | 0.96027289914863612 | -0.446876870458436937 | 0.420410668243123009 | 1.1160357137142674 | 1.1899014180239407 | 0.42355418 |

