

Supplementary Information for

Acidic medium synthesis of zeolites – an avenue to control the structure-directing power of the organic template

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Figure S1.2. XRD of the recovered solid products in the experiment series of temperature tests: Sample C10, 1SiO₂:0.5HMTA:0.056NH₄F:0.083HF:50H₂O, pH = 6.5, crystallizes into cristobalite at 180°C in 36 days; Sample C11, 1SiO₂:0.5HMTA:0.125HF:50H₂O, pH = 5.6, remains amorphous at 140°C in 39 days.

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Figure S2.1 Population of HMTA⁺ ions at the centers of hexakaidecahedral [5¹²6⁴] cages as the results of energy minimization of 5 million Monte Carlo configurations.

Table S2.1. Refined atomic coordinates in the unit cell (cubic, a = 19.39662 Å).

S1. Additional synthesis and characterization results

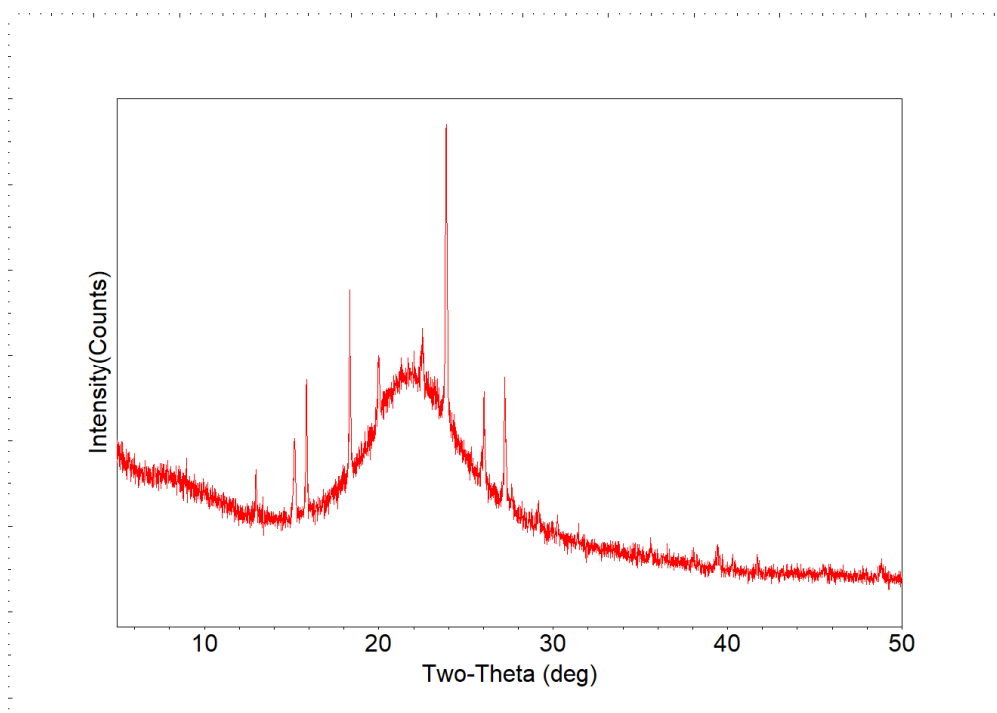


Figure S1.1. The XRD patterns of the crystallizing MTN material obtained from a hydrogel with high F⁻ content (1SiO₂: 0.5HMTA: 0.12NH₄F: 0.18HF: 50H₂O, pH = 5.9) after 31 days of 160°C hydrothermal treatment.

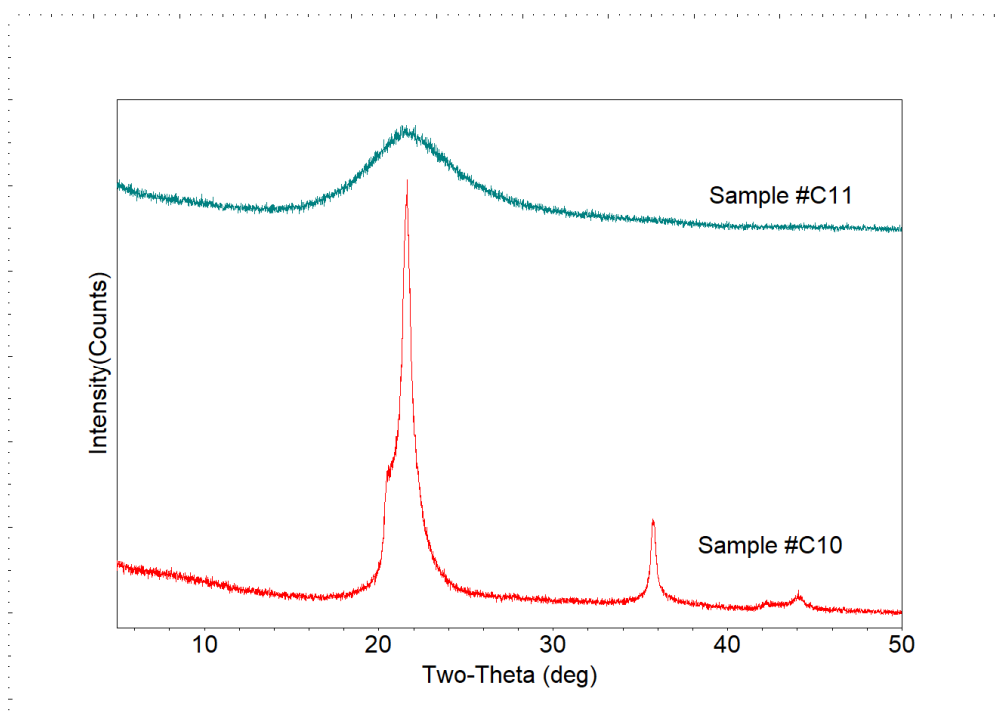


Figure S1.2. XRD of the recovered solid products in the experiment series of temperature tests: Sample C10, 1SiO₂:0.5HMTA:0.056NH₄F:0.083HF:50H₂O, pH = 6.5, crystallizes into cristobalite at 180°C in 36 days; Sample C11, 1SiO₂:0.5HMTA:0.125HF:50H₂O, pH = 5.6, remains amorphous at 140°C in 39 days.

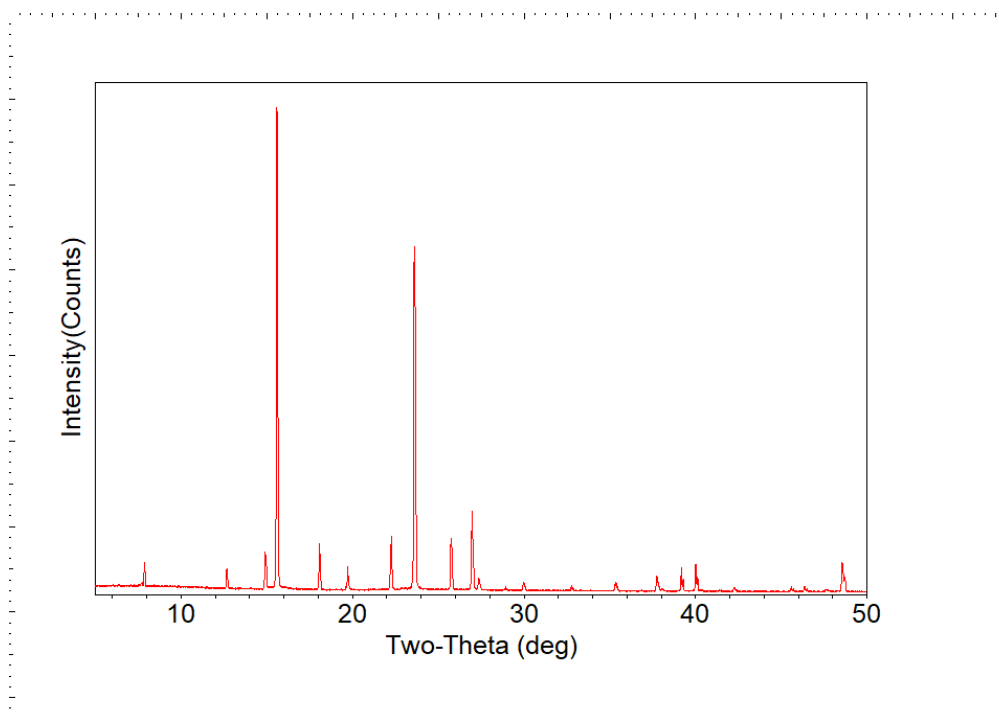


Figure S1.3. XRD patterns of $|\text{TMA}^+, \text{F}^-|$ -dodecasil 3C-MTN crystallized at basic conditions as a reference material. Sample R1 was obtained at 180°C for 14 days.

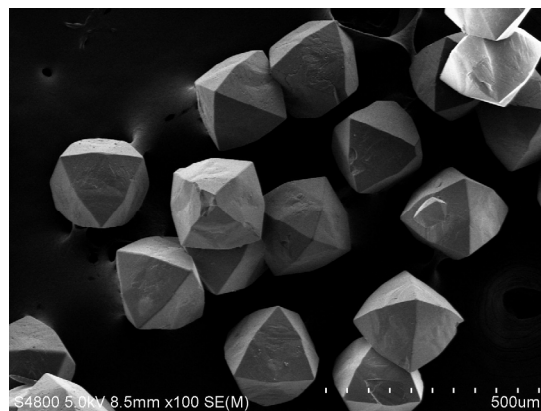


Figure S1.4. SEM pictures of $|\text{TMA}^+, \text{F}^-|$ -dodecasil 3C-MTN crystallized at basic conditions as a reference material. Sample R1 was obtained at 180°C in 14 days.

S2. Model validation by Rietveld refinement

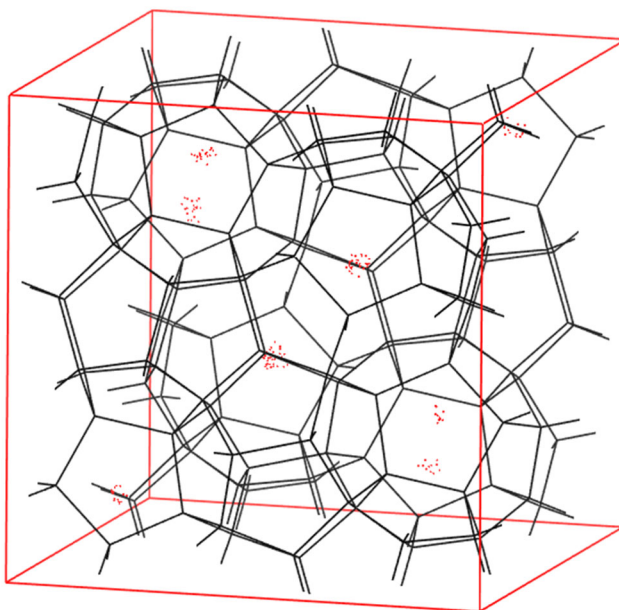


Figure S2.1 Population of HMTA⁺ ions at the centers of hexakaidecahedral [5¹²6⁴] cages as the results of energy minimization of 5 million Monte Carlo configurations (The corresponding 3D model in the file HMTA+population.msi).

Table S2.1. Refined atomic coordinates in the unit cell (cubic, a = 19.39662).

| Site Label | Atom Type | x | y | z | Multiplicity |
|------------|-----------|--------|--------|--------|--------------|
| O1 | O | 0.0485 | 0.0485 | 0.2952 | 1 |
| Si2 | Si | 0.068 | 0.068 | 0.3712 | 1 |
| O3 | O | 0.0485 | 0.5485 | 0.7952 | 1 |
| Si4 | Si | 0.068 | 0.568 | 0.8712 | 1 |
| O5 | O | 0.5485 | 0.0485 | 0.7952 | 1 |
| Si6 | Si | 0.568 | 0.068 | 0.8712 | 1 |
| O7 | O | 0.5485 | 0.5485 | 0.2952 | 1 |
| Si8 | Si | 0.568 | 0.568 | 0.3712 | 1 |
| O9 | O | 0.7015 | 0.2015 | 0.7952 | 1 |
| Si10 | Si | 0.682 | 0.182 | 0.8712 | 1 |
| O11 | O | 0.7015 | 0.7015 | 0.2952 | 1 |
| Si12 | Si | 0.682 | 0.682 | 0.3712 | 1 |
| O13 | O | 0.2015 | 0.5485 | 0.4548 | 1 |
| Si14 | Si | 0.182 | 0.568 | 0.3788 | 1 |
| O15 | O | 0.2015 | 0.0485 | 0.9548 | 1 |
| Si16 | Si | 0.182 | 0.068 | 0.8788 | 1 |
| O17 | O | 0.7015 | 0.0485 | 0.4548 | 1 |
| Si18 | Si | 0.682 | 0.068 | 0.3788 | 1 |
| O19 | O | 0.5485 | 0.7015 | 0.9548 | 1 |

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|------|----|--------|--------|--------|---|
| Si20 | Si | 0.568 | 0.682 | 0.8788 | 1 |
| O21 | O | 0.0485 | 0.7015 | 0.4548 | 1 |
| Si22 | Si | 0.068 | 0.682 | 0.3788 | 1 |
| O23 | O | 0.2952 | 0.0485 | 0.0485 | 1 |
| Si24 | Si | 0.3712 | 0.068 | 0.068 | 1 |
| O25 | O | 0.2952 | 0.5485 | 0.5485 | 1 |
| Si26 | Si | 0.3712 | 0.568 | 0.568 | 1 |
| O27 | O | 0.7952 | 0.0485 | 0.5485 | 1 |
| Si28 | Si | 0.8712 | 0.068 | 0.568 | 1 |
| O29 | O | 0.7952 | 0.5485 | 0.0485 | 1 |
| Si30 | Si | 0.8712 | 0.568 | 0.068 | 1 |
| O31 | O | 0.7952 | 0.7015 | 0.2015 | 1 |
| Si32 | Si | 0.8712 | 0.682 | 0.182 | 1 |
| O33 | O | 0.2952 | 0.7015 | 0.7015 | 1 |
| Si34 | Si | 0.3712 | 0.682 | 0.682 | 1 |
| O35 | O | 0.4548 | 0.2015 | 0.5485 | 1 |
| Si36 | Si | 0.3788 | 0.182 | 0.568 | 1 |
| O37 | O | 0.4548 | 0.7015 | 0.0485 | 1 |
| Si38 | Si | 0.3788 | 0.682 | 0.068 | 1 |
| O39 | O | 0.9548 | 0.5485 | 0.7015 | 1 |
| Si40 | Si | 0.8788 | 0.568 | 0.682 | 1 |
| O41 | O | 0.9548 | 0.0485 | 0.2015 | 1 |
| Si42 | Si | 0.8788 | 0.068 | 0.182 | 1 |
| O43 | O | 0.4548 | 0.0485 | 0.7015 | 1 |
| Si44 | Si | 0.3788 | 0.068 | 0.682 | 1 |
| O45 | O | 0.0485 | 0.2952 | 0.0485 | 1 |
| Si46 | Si | 0.068 | 0.3712 | 0.068 | 1 |
| O47 | O | 0.0485 | 0.7952 | 0.5485 | 1 |
| Si48 | Si | 0.068 | 0.8712 | 0.568 | 1 |
| O49 | O | 0.5485 | 0.2952 | 0.5485 | 1 |
| Si50 | Si | 0.568 | 0.3712 | 0.568 | 1 |
| O51 | O | 0.5485 | 0.7952 | 0.0485 | 1 |
| Si52 | Si | 0.568 | 0.8712 | 0.068 | 1 |
| O53 | O | 0.2015 | 0.7952 | 0.7015 | 1 |
| Si54 | Si | 0.182 | 0.8712 | 0.682 | 1 |
| O55 | O | 0.2015 | 0.2952 | 0.2015 | 1 |
| Si56 | Si | 0.182 | 0.3712 | 0.182 | 1 |
| O57 | O | 0.7015 | 0.2952 | 0.7015 | 1 |
| Si58 | Si | 0.682 | 0.3712 | 0.682 | 1 |
| O59 | O | 0.5485 | 0.4548 | 0.2015 | 1 |
| Si60 | Si | 0.568 | 0.3788 | 0.182 | 1 |
| O61 | O | 0.0485 | 0.4548 | 0.7015 | 1 |
| Si62 | Si | 0.068 | 0.3788 | 0.682 | 1 |
| O63 | O | 0.7015 | 0.9548 | 0.5485 | 1 |
| Si64 | Si | 0.682 | 0.8788 | 0.568 | 1 |
| O65 | O | 0.7015 | 0.4548 | 0.0485 | 1 |

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|-------|----|--------|--------|--------|---|
| Si66 | Si | 0.682 | 0.3788 | 0.068 | 1 |
| O67 | O | 0.7985 | 0.2985 | 0.2048 | 1 |
| Si68 | Si | 0.818 | 0.318 | 0.1288 | 1 |
| O69 | O | 0.7985 | 0.7985 | 0.7048 | 1 |
| Si70 | Si | 0.818 | 0.818 | 0.6288 | 1 |
| O71 | O | 0.9515 | 0.9515 | 0.7048 | 1 |
| Si72 | Si | 0.932 | 0.932 | 0.6288 | 1 |
| O73 | O | 0.9515 | 0.4515 | 0.2048 | 1 |
| Si74 | Si | 0.932 | 0.432 | 0.1288 | 1 |
| O75 | O | 0.4515 | 0.9515 | 0.2048 | 1 |
| Si76 | Si | 0.432 | 0.932 | 0.1288 | 1 |
| O77 | O | 0.4515 | 0.4515 | 0.7048 | 1 |
| Si78 | Si | 0.432 | 0.432 | 0.6288 | 1 |
| O79 | O | 0.2985 | 0.4515 | 0.0452 | 1 |
| Si80 | Si | 0.318 | 0.432 | 0.1212 | 1 |
| O81 | O | 0.2985 | 0.9515 | 0.5452 | 1 |
| Si82 | Si | 0.318 | 0.932 | 0.6212 | 1 |
| O83 | O | 0.7985 | 0.9515 | 0.0452 | 1 |
| Si84 | Si | 0.818 | 0.932 | 0.1212 | 1 |
| O85 | O | 0.4515 | 0.7985 | 0.5452 | 1 |
| Si86 | Si | 0.432 | 0.818 | 0.6212 | 1 |
| O87 | O | 0.9515 | 0.7985 | 0.0452 | 1 |
| Si88 | Si | 0.932 | 0.818 | 0.1212 | 1 |
| O89 | O | 0.7985 | 0.5452 | 0.4515 | 1 |
| Si90 | Si | 0.818 | 0.6212 | 0.432 | 1 |
| O91 | O | 0.7985 | 0.0452 | 0.9515 | 1 |
| Si92 | Si | 0.818 | 0.1212 | 0.932 | 1 |
| O93 | O | 0.4515 | 0.0452 | 0.2985 | 1 |
| Si94 | Si | 0.432 | 0.1212 | 0.318 | 1 |
| O95 | O | 0.9515 | 0.0452 | 0.7985 | 1 |
| Si96 | Si | 0.932 | 0.1212 | 0.818 | 1 |
| O97 | O | 0.9515 | 0.7048 | 0.9515 | 1 |
| Si98 | Si | 0.932 | 0.6288 | 0.932 | 1 |
| O99 | O | 0.9515 | 0.2048 | 0.4515 | 1 |
| Si100 | Si | 0.932 | 0.1288 | 0.432 | 1 |
| O101 | O | 0.4515 | 0.7048 | 0.4515 | 1 |
| Si102 | Si | 0.432 | 0.6288 | 0.432 | 1 |
| O103 | O | 0.4515 | 0.2048 | 0.9515 | 1 |
| Si104 | Si | 0.432 | 0.1288 | 0.932 | 1 |
| O105 | O | 0.2985 | 0.2048 | 0.7985 | 1 |
| Si106 | Si | 0.318 | 0.1288 | 0.818 | 1 |
| O107 | O | 0.2985 | 0.7048 | 0.2985 | 1 |
| Si108 | Si | 0.318 | 0.6288 | 0.318 | 1 |
| O109 | O | 0.7985 | 0.7048 | 0.7985 | 1 |
| Si110 | Si | 0.818 | 0.6288 | 0.818 | 1 |
| O111 | O | 0.0452 | 0.2985 | 0.4515 | 1 |

| | | | | | |
|-------|----|--------|--------|--------|---|
| Si112 | Si | 0.1212 | 0.318 | 0.432 | 1 |
| O113 | O | 0.0452 | 0.7985 | 0.9515 | 1 |
| Si114 | Si | 0.1212 | 0.818 | 0.932 | 1 |
| O115 | O | 0.5452 | 0.4515 | 0.7985 | 1 |
| Si116 | Si | 0.6212 | 0.432 | 0.818 | 1 |
| O117 | O | 0.5452 | 0.9515 | 0.2985 | 1 |
| Si118 | Si | 0.6212 | 0.932 | 0.318 | 1 |
| O119 | O | 0.0452 | 0.9515 | 0.7985 | 1 |
| Si120 | Si | 0.1212 | 0.932 | 0.818 | 1 |
| O121 | O | 0.2048 | 0.7985 | 0.2985 | 1 |
| Si122 | Si | 0.1288 | 0.818 | 0.318 | 1 |
| O123 | O | 0.7048 | 0.7985 | 0.7985 | 1 |
| Si124 | Si | 0.6288 | 0.818 | 0.818 | 1 |
| O125 | O | 0.7048 | 0.9515 | 0.9515 | 1 |
| Si126 | Si | 0.6288 | 0.932 | 0.932 | 1 |
| O127 | O | 0.7048 | 0.4515 | 0.4515 | 1 |
| Si128 | Si | 0.6288 | 0.432 | 0.432 | 1 |
| O129 | O | 0.2048 | 0.9515 | 0.4515 | 1 |
| Si130 | Si | 0.1288 | 0.932 | 0.432 | 1 |
| O131 | O | 0.2048 | 0.4515 | 0.9515 | 1 |
| Si132 | Si | 0.1288 | 0.432 | 0.932 | 1 |
| O133 | O | 0.2985 | 0.7985 | 0.2048 | 1 |
| Si134 | Si | 0.318 | 0.818 | 0.1288 | 1 |
| O135 | O | 0.2985 | 0.2985 | 0.7048 | 1 |
| Si136 | Si | 0.318 | 0.318 | 0.6288 | 1 |
| O137 | O | 0.7985 | 0.4515 | 0.5452 | 1 |
| Si138 | Si | 0.818 | 0.432 | 0.6212 | 1 |
| O139 | O | 0.4515 | 0.2985 | 0.0452 | 1 |
| Si140 | Si | 0.432 | 0.318 | 0.1212 | 1 |
| O141 | O | 0.9515 | 0.2985 | 0.5452 | 1 |
| Si142 | Si | 0.932 | 0.318 | 0.6212 | 1 |
| O143 | O | 0.2048 | 0.2985 | 0.7985 | 1 |
| Si144 | Si | 0.1288 | 0.318 | 0.818 | 1 |
| O145 | O | 0.7048 | 0.2985 | 0.2985 | 1 |
| Si146 | Si | 0.6288 | 0.318 | 0.318 | 1 |
| O147 | O | 0.5452 | 0.7985 | 0.4515 | 1 |
| Si148 | Si | 0.6212 | 0.818 | 0.432 | 1 |
| O149 | O | 0.5452 | 0.2985 | 0.9515 | 1 |
| Si150 | Si | 0.6212 | 0.318 | 0.932 | 1 |
| O151 | O | 0.0452 | 0.4515 | 0.2985 | 1 |
| Si152 | Si | 0.1212 | 0.432 | 0.318 | 1 |
| O153 | O | 0.7985 | 0.2048 | 0.2985 | 1 |
| Si154 | Si | 0.818 | 0.1288 | 0.318 | 1 |
| O155 | O | 0.4515 | 0.5452 | 0.7985 | 1 |
| Si156 | Si | 0.432 | 0.6212 | 0.818 | 1 |
| O157 | O | 0.9515 | 0.5452 | 0.2985 | 1 |

| | | | | | |
|-------|----|--------|--------|--------|---|
| Si158 | Si | 0.932 | 0.6212 | 0.318 | 1 |
| O159 | O | 0.2985 | 0.0452 | 0.4515 | 1 |
| Si160 | Si | 0.318 | 0.1212 | 0.432 | 1 |
| O161 | O | 0.2985 | 0.5452 | 0.9515 | 1 |
| Si162 | Si | 0.318 | 0.6212 | 0.932 | 1 |
| O163 | O | 0.2015 | 0.7015 | 0.7952 | 1 |
| Si164 | Si | 0.182 | 0.682 | 0.8712 | 1 |
| O165 | O | 0.2015 | 0.2015 | 0.2952 | 1 |
| Si166 | Si | 0.182 | 0.182 | 0.3712 | 1 |
| O167 | O | 0.7015 | 0.5485 | 0.9548 | 1 |
| Si168 | Si | 0.682 | 0.568 | 0.8788 | 1 |
| O169 | O | 0.5485 | 0.2015 | 0.4548 | 1 |
| Si170 | Si | 0.568 | 0.182 | 0.3788 | 1 |
| O171 | O | 0.0485 | 0.2015 | 0.9548 | 1 |
| Si172 | Si | 0.068 | 0.182 | 0.8788 | 1 |
| O173 | O | 0.2015 | 0.4548 | 0.5485 | 1 |
| Si174 | Si | 0.182 | 0.3788 | 0.568 | 1 |
| O175 | O | 0.2015 | 0.9548 | 0.0485 | 1 |
| Si176 | Si | 0.182 | 0.8788 | 0.068 | 1 |
| O177 | O | 0.5485 | 0.9548 | 0.7015 | 1 |
| Si178 | Si | 0.568 | 0.8788 | 0.682 | 1 |
| O179 | O | 0.0485 | 0.9548 | 0.2015 | 1 |
| Si180 | Si | 0.068 | 0.8788 | 0.182 | 1 |
| O181 | O | 0.7015 | 0.7952 | 0.2015 | 1 |
| Si182 | Si | 0.682 | 0.8712 | 0.182 | 1 |
| O183 | O | 0.9548 | 0.7015 | 0.5485 | 1 |
| Si184 | Si | 0.8788 | 0.682 | 0.568 | 1 |
| O185 | O | 0.9548 | 0.2015 | 0.0485 | 1 |
| Si186 | Si | 0.8788 | 0.182 | 0.068 | 1 |
| O187 | O | 0.4548 | 0.5485 | 0.2015 | 1 |
| Si188 | Si | 0.3788 | 0.568 | 0.182 | 1 |
| O189 | O | 0.7952 | 0.2015 | 0.7015 | 1 |
| Si190 | Si | 0.8712 | 0.182 | 0.682 | 1 |
| O191 | O | 0.2952 | 0.2015 | 0.2015 | 1 |
| Si192 | Si | 0.3712 | 0.182 | 0.182 | 1 |
| O193 | O | 0.0931 | 0 | 0.4069 | 1 |
| O194 | O | 0.0931 | 0.5 | 0.9069 | 1 |
| O195 | O | 0.6569 | 0.25 | 0.9069 | 1 |
| O196 | O | 0.6569 | 0.75 | 0.4069 | 1 |
| O197 | O | 0.1569 | 0.75 | 0.9069 | 1 |
| O198 | O | 0.1569 | 0.5 | 0.3431 | 1 |
| O199 | O | 0.1569 | 0 | 0.8431 | 1 |
| O200 | O | 0.6569 | 0.5 | 0.8431 | 1 |
| O201 | O | 0.5931 | 0.75 | 0.8431 | 1 |
| O202 | O | 0.5931 | 0.25 | 0.3431 | 1 |
| O203 | O | 0.4069 | 0.0931 | 0 | 1 |

| | | | | | |
|------|---|--------|--------|--------|---|
| O204 | O | 0.4069 | 0.5931 | 0.5 | 1 |
| O205 | O | 0.9069 | 0.6569 | 0.25 | 1 |
| O206 | O | 0.9069 | 0.1569 | 0.75 | 1 |
| O207 | O | 0.3431 | 0.1569 | 0.5 | 1 |
| O208 | O | 0.3431 | 0.6569 | 0 | 1 |
| O209 | O | 0.8431 | 0.6569 | 0.5 | 1 |
| O210 | O | 0.8431 | 0.5931 | 0.75 | 1 |
| O211 | O | 0.8431 | 0.0931 | 0.25 | 1 |
| O212 | O | 0.3431 | 0.5931 | 0.25 | 1 |
| O213 | O | 0 | 0.4069 | 0.0931 | 1 |
| O214 | O | 0.5 | 0.4069 | 0.5931 | 1 |
| O215 | O | 0.25 | 0.9069 | 0.6569 | 1 |
| O216 | O | 0.75 | 0.9069 | 0.1569 | 1 |
| O217 | O | 0.5 | 0.3431 | 0.1569 | 1 |
| O218 | O | 0.5 | 0.8431 | 0.6569 | 1 |
| O219 | O | 0 | 0.3431 | 0.6569 | 1 |
| O220 | O | 0.75 | 0.8431 | 0.5931 | 1 |
| O221 | O | 0.25 | 0.8431 | 0.0931 | 1 |
| O222 | O | 0.25 | 0.3431 | 0.5931 | 1 |
| O223 | O | 0.75 | 0.3431 | 0.0931 | 1 |
| O224 | O | 0 | 0.9069 | 0.5931 | 1 |
| O225 | O | 0.5 | 0.9069 | 0.0931 | 1 |
| O226 | O | 0.25 | 0.4069 | 0.1569 | 1 |
| O227 | O | 0.75 | 0.4069 | 0.6569 | 1 |
| O228 | O | 0 | 0.8431 | 0.1569 | 1 |
| O229 | O | 0.8431 | 0.1569 | 0 | 1 |
| O230 | O | 0.4069 | 0.1569 | 0.25 | 1 |
| O231 | O | 0.4069 | 0.6569 | 0.75 | 1 |
| O232 | O | 0.9069 | 0.5931 | 0 | 1 |
| O233 | O | 0.9069 | 0.0931 | 0.5 | 1 |
| O234 | O | 0.3431 | 0.0931 | 0.75 | 1 |
| O235 | O | 0.1569 | 0.25 | 0.4069 | 1 |
| O236 | O | 0.6569 | 0 | 0.3431 | 1 |
| O237 | O | 0.0931 | 0.75 | 0.3431 | 1 |
| O238 | O | 0.0931 | 0.25 | 0.8431 | 1 |
| O239 | O | 0.5931 | 0 | 0.9069 | 1 |
| O240 | O | 0.5931 | 0.5 | 0.4069 | 1 |
| O241 | O | 0.9069 | 0 | 0.5931 | 1 |
| O242 | O | 0.9069 | 0.5 | 0.0931 | 1 |
| O243 | O | 0.4069 | 0 | 0.0931 | 1 |
| O244 | O | 0.3431 | 0.75 | 0.0931 | 1 |
| O245 | O | 0.3431 | 0.25 | 0.5931 | 1 |
| O246 | O | 0.8431 | 0.5 | 0.6569 | 1 |
| O247 | O | 0.8431 | 0 | 0.1569 | 1 |
| O248 | O | 0.4069 | 0.25 | 0.1569 | 1 |
| O249 | O | 0.4069 | 0.75 | 0.6569 | 1 |

| | | | | | |
|------|---|--------|--------|--------|---|
| O250 | O | 0.9069 | 0.75 | 0.1569 | 1 |
| O251 | O | 0.5931 | 0.9069 | 0 | 1 |
| O252 | O | 0.5931 | 0.4069 | 0.5 | 1 |
| O253 | O | 0.0931 | 0.4069 | 0 | 1 |
| O254 | O | 0.0931 | 0.3431 | 0.75 | 1 |
| O255 | O | 0.0931 | 0.8431 | 0.25 | 1 |
| O256 | O | 0.5931 | 0.3431 | 0.25 | 1 |
| O257 | O | 0.6569 | 0.8431 | 0.5 | 1 |
| O258 | O | 0.6569 | 0.3431 | 0 | 1 |
| O259 | O | 0.1569 | 0.4069 | 0.25 | 1 |
| O260 | O | 0.1569 | 0.9069 | 0.75 | 1 |
| O261 | O | 0 | 0.5931 | 0.9069 | 1 |
| O262 | O | 0 | 0.0931 | 0.4069 | 1 |
| O263 | O | 0.5 | 0.5931 | 0.4069 | 1 |
| O264 | O | 0.75 | 0.0931 | 0.3431 | 1 |
| O265 | O | 0.25 | 0.0931 | 0.8431 | 1 |
| O266 | O | 0.25 | 0.5931 | 0.3431 | 1 |
| O267 | O | 0.5 | 0.6569 | 0.8431 | 1 |
| O268 | O | 0 | 0.6569 | 0.3431 | 1 |
| O269 | O | 0.25 | 0.1569 | 0.4069 | 1 |
| O270 | O | 0.75 | 0.1569 | 0.9069 | 1 |
| O271 | O | 0.25 | 0.6569 | 0.9069 | 1 |
| O272 | O | 0.75 | 0.6569 | 0.4069 | 1 |
| O273 | O | 0.5 | 0.0931 | 0.9069 | 1 |
| O274 | O | 0.75 | 0.5931 | 0.8431 | 1 |
| O275 | O | 0.5 | 0.1569 | 0.3431 | 1 |
| O276 | O | 0 | 0.1569 | 0.8431 | 1 |
| O277 | O | 0.1569 | 0.3431 | 0.5 | 1 |
| O278 | O | 0.1569 | 0.8431 | 0 | 1 |
| O279 | O | 0.5931 | 0.8431 | 0.75 | 1 |
| O280 | O | 0.0931 | 0.9069 | 0.5 | 1 |
| O281 | O | 0.6569 | 0.9069 | 0.25 | 1 |
| O282 | O | 0.6569 | 0.4069 | 0.75 | 1 |
| O283 | O | 0.8431 | 0.75 | 0.5931 | 1 |
| O284 | O | 0.8431 | 0.25 | 0.0931 | 1 |
| O285 | O | 0.3431 | 0.5 | 0.1569 | 1 |
| O286 | O | 0.3431 | 0 | 0.6569 | 1 |
| O287 | O | 0.9069 | 0.25 | 0.6569 | 1 |
| O288 | O | 0.4069 | 0.5 | 0.5931 | 1 |
| O289 | O | 0.125 | 0.125 | 0.3721 | 1 |
| O290 | O | 0.125 | 0.625 | 0.8721 | 1 |
| O291 | O | 0.625 | 0.125 | 0.8721 | 1 |
| O292 | O | 0.625 | 0.625 | 0.3721 | 1 |
| O293 | O | 0.125 | 0.625 | 0.3779 | 1 |
| O294 | O | 0.125 | 0.125 | 0.8779 | 1 |
| O295 | O | 0.625 | 0.625 | 0.8779 | 1 |

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|-------|----|--------|--------|--------|---|
| O296 | O | 0.3721 | 0.125 | 0.125 | 1 |
| O297 | O | 0.3721 | 0.625 | 0.625 | 1 |
| O298 | O | 0.8721 | 0.125 | 0.625 | 1 |
| O299 | O | 0.8721 | 0.625 | 0.125 | 1 |
| O300 | O | 0.3779 | 0.125 | 0.625 | 1 |
| O301 | O | 0.8779 | 0.625 | 0.625 | 1 |
| O302 | O | 0.8779 | 0.125 | 0.125 | 1 |
| O303 | O | 0.125 | 0.3721 | 0.125 | 1 |
| O304 | O | 0.125 | 0.8721 | 0.625 | 1 |
| O305 | O | 0.625 | 0.8721 | 0.125 | 1 |
| O306 | O | 0.625 | 0.3721 | 0.625 | 1 |
| O307 | O | 0.625 | 0.3779 | 0.125 | 1 |
| O308 | O | 0.625 | 0.8779 | 0.625 | 1 |
| O309 | O | 0.875 | 0.375 | 0.1279 | 1 |
| O310 | O | 0.875 | 0.875 | 0.6279 | 1 |
| O311 | O | 0.375 | 0.375 | 0.1221 | 1 |
| O312 | O | 0.875 | 0.875 | 0.1221 | 1 |
| O313 | O | 0.375 | 0.875 | 0.6221 | 1 |
| O314 | O | 0.875 | 0.6221 | 0.375 | 1 |
| O315 | O | 0.875 | 0.1221 | 0.875 | 1 |
| O316 | O | 0.375 | 0.1221 | 0.375 | 1 |
| O317 | O | 0.875 | 0.6279 | 0.875 | 1 |
| O318 | O | 0.375 | 0.1279 | 0.875 | 1 |
| O319 | O | 0.375 | 0.6279 | 0.375 | 1 |
| O320 | O | 0.1221 | 0.375 | 0.375 | 1 |
| O321 | O | 0.1221 | 0.875 | 0.875 | 1 |
| O322 | O | 0.6221 | 0.375 | 0.875 | 1 |
| O323 | O | 0.1279 | 0.875 | 0.375 | 1 |
| O324 | O | 0.6279 | 0.875 | 0.875 | 1 |
| O325 | O | 0.6279 | 0.375 | 0.375 | 1 |
| O326 | O | 0.375 | 0.875 | 0.1279 | 1 |
| O327 | O | 0.375 | 0.375 | 0.6279 | 1 |
| O328 | O | 0.875 | 0.375 | 0.6221 | 1 |
| O329 | O | 0.1279 | 0.375 | 0.875 | 1 |
| O330 | O | 0.6221 | 0.875 | 0.375 | 1 |
| O331 | O | 0.875 | 0.1279 | 0.375 | 1 |
| O332 | O | 0.375 | 0.6221 | 0.875 | 1 |
| O333 | O | 0.625 | 0.125 | 0.3779 | 1 |
| O334 | O | 0.125 | 0.3779 | 0.625 | 1 |
| O335 | O | 0.125 | 0.8779 | 0.125 | 1 |
| O336 | O | 0.3779 | 0.625 | 0.125 | 1 |
| O337 | O | 0.1716 | 0.1716 | 0.1716 | 1 |
| Si338 | Si | 0.2181 | 0.2181 | 0.2181 | 1 |
| O339 | O | 0.1716 | 0.6716 | 0.6716 | 1 |
| Si340 | Si | 0.2181 | 0.7181 | 0.7181 | 1 |
| O341 | O | 0.6716 | 0.1716 | 0.6716 | 1 |

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|-------|----|--------|--------|--------|---|
| Si342 | Si | 0.7181 | 0.2181 | 0.7181 | 1 |
| O343 | O | 0.6716 | 0.6716 | 0.1716 | 1 |
| Si344 | Si | 0.7181 | 0.7181 | 0.2181 | 1 |
| O345 | O | 0.5784 | 0.0784 | 0.6716 | 1 |
| Si346 | Si | 0.5319 | 0.0319 | 0.7181 | 1 |
| O347 | O | 0.5784 | 0.5784 | 0.1716 | 1 |
| Si348 | Si | 0.5319 | 0.5319 | 0.2181 | 1 |
| O349 | O | 0.0784 | 0.6716 | 0.5784 | 1 |
| Si350 | Si | 0.0319 | 0.7181 | 0.5319 | 1 |
| O351 | O | 0.0784 | 0.1716 | 0.0784 | 1 |
| Si352 | Si | 0.0319 | 0.2181 | 0.0319 | 1 |
| O353 | O | 0.5784 | 0.1716 | 0.5784 | 1 |
| Si354 | Si | 0.5319 | 0.2181 | 0.5319 | 1 |
| O355 | O | 0.6716 | 0.5784 | 0.0784 | 1 |
| Si356 | Si | 0.7181 | 0.5319 | 0.0319 | 1 |
| O357 | O | 0.1716 | 0.5784 | 0.5784 | 1 |
| Si358 | Si | 0.2181 | 0.5319 | 0.5319 | 1 |
| O359 | O | 0.9216 | 0.4216 | 0.3284 | 1 |
| Si360 | Si | 0.9681 | 0.4681 | 0.2819 | 1 |
| O361 | O | 0.9216 | 0.9216 | 0.8284 | 1 |
| Si362 | Si | 0.9681 | 0.9681 | 0.7819 | 1 |
| O363 | O | 0.8284 | 0.8284 | 0.8284 | 1 |
| Si364 | Si | 0.7819 | 0.7819 | 0.7819 | 1 |
| O365 | O | 0.8284 | 0.3284 | 0.3284 | 1 |
| Si366 | Si | 0.7819 | 0.2819 | 0.2819 | 1 |
| O367 | O | 0.3284 | 0.8284 | 0.3284 | 1 |
| Si368 | Si | 0.2819 | 0.7819 | 0.2819 | 1 |
| O369 | O | 0.3284 | 0.3284 | 0.8284 | 1 |
| Si370 | Si | 0.2819 | 0.2819 | 0.7819 | 1 |
| O371 | O | 0.4216 | 0.3284 | 0.9216 | 1 |
| Si372 | Si | 0.4681 | 0.2819 | 0.9681 | 1 |
| O373 | O | 0.4216 | 0.8284 | 0.4216 | 1 |
| Si374 | Si | 0.4681 | 0.7819 | 0.4681 | 1 |
| O375 | O | 0.9216 | 0.8284 | 0.9216 | 1 |
| Si376 | Si | 0.9681 | 0.7819 | 0.9681 | 1 |
| O377 | O | 0.3284 | 0.9216 | 0.4216 | 1 |
| Si378 | Si | 0.2819 | 0.9681 | 0.4681 | 1 |
| O379 | O | 0.8284 | 0.9216 | 0.9216 | 1 |
| Si380 | Si | 0.7819 | 0.9681 | 0.9681 | 1 |
| O381 | O | 0.4216 | 0.9216 | 0.3284 | 1 |
| Si382 | Si | 0.4681 | 0.9681 | 0.2819 | 1 |
| O383 | O | 0.4216 | 0.4216 | 0.8284 | 1 |
| Si384 | Si | 0.4681 | 0.4681 | 0.7819 | 1 |
| O385 | O | 0.9216 | 0.3284 | 0.4216 | 1 |
| Si386 | Si | 0.9681 | 0.2819 | 0.4681 | 1 |
| O387 | O | 0.3284 | 0.4216 | 0.9216 | 1 |

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|-------|----|---------|---------|---------|---|
| Si388 | Si | 0.2819 | 0.4681 | 0.9681 | 1 |
| O389 | O | 0.8284 | 0.4216 | 0.4216 | 1 |
| Si390 | Si | 0.7819 | 0.4681 | 0.4681 | 1 |
| O391 | O | 0.0784 | 0.5784 | 0.6716 | 1 |
| Si392 | Si | 0.0319 | 0.5319 | 0.7181 | 1 |
| O393 | O | 0.0784 | 0.0784 | 0.1716 | 1 |
| Si394 | Si | 0.0319 | 0.0319 | 0.2181 | 1 |
| O395 | O | 0.5784 | 0.6716 | 0.0784 | 1 |
| Si396 | Si | 0.5319 | 0.7181 | 0.0319 | 1 |
| O397 | O | 0.6716 | 0.0784 | 0.5784 | 1 |
| Si398 | Si | 0.7181 | 0.0319 | 0.5319 | 1 |
| O399 | O | 0.1716 | 0.0784 | 0.0784 | 1 |
| Si400 | Si | 0.2181 | 0.0319 | 0.0319 | 1 |
| Si401 | Si | 0.125 | 0.125 | 0.125 | 1 |
| Si402 | Si | 0.125 | 0.625 | 0.625 | 1 |
| Si403 | Si | 0.625 | 0.125 | 0.625 | 1 |
| Si404 | Si | 0.625 | 0.625 | 0.125 | 1 |
| Si405 | Si | 0.875 | 0.375 | 0.375 | 1 |
| Si406 | Si | 0.875 | 0.875 | 0.875 | 1 |
| Si407 | Si | 0.375 | 0.375 | 0.875 | 1 |
| Si408 | Si | 0.375 | 0.875 | 0.375 | 1 |
| C409 | C | 0.71195 | 0.12587 | 0.12721 | 1 |
| N410 | N | 0.66852 | 0.16799 | 0.08373 | 1 |
| C411 | C | 0.6264 | 0.12489 | 0.0394 | 1 |
| N412 | N | 0.58238 | 0.08177 | 0.08182 | 1 |
| C413 | C | 0.62333 | 0.03734 | 0.12538 | 1 |
| N414 | N | 0.66639 | 0.08195 | 0.1704 | 1 |
| C415 | C | 0.62118 | 0.1263 | 0.21353 | 1 |
| C416 | C | 0.62423 | 0.21154 | 0.12545 | 1 |
| N417 | N | 0.58023 | 0.16815 | 0.16755 | 1 |
| C418 | C | 0.53781 | 0.12501 | 0.12357 | 1 |
| H419 | H | 0.74413 | 0.15759 | 0.16166 | 1 |
| H420 | H | 0.74556 | 0.09191 | 0.09647 | 1 |
| H421 | H | 0.65922 | 0.09283 | 0.00565 | 1 |
| H422 | H | 0.59459 | 0.15739 | 0.00504 | 1 |
| H423 | H | 0.65789 | 0.00421 | 0.0948 | 1 |
| H424 | H | 0.59074 | 0.00464 | 0.1585 | 1 |
| H425 | H | 0.65417 | 0.15819 | 0.24704 | 1 |
| H426 | H | 0.58871 | 0.09271 | 0.24586 | 1 |
| H427 | H | 0.59244 | 0.245 | 0.092 | 1 |
| H428 | H | 0.65536 | 0.24617 | 0.15823 | 1 |
| H429 | H | 0.50264 | 0.09306 | 0.15495 | 1 |
| H430 | H | 0.50495 | 0.15746 | 0.09018 | 1 |
| H431 | H | 0.69546 | 0.05214 | 0.20122 | 1 |
| C432 | C | 0.31249 | 0.40245 | 0.43076 | 1 |
| N433 | N | 0.3583 | 0.44467 | 0.39004 | 1 |

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|------|---|---------|---------|---------|---|
| C434 | C | 0.42972 | 0.42978 | 0.40652 | 1 |
| N435 | N | 0.44393 | 0.358 | 0.39092 | 1 |
| C436 | C | 0.40062 | 0.31316 | 0.43162 | 1 |
| N437 | N | 0.32762 | 0.32907 | 0.41432 | 1 |
| C438 | C | 0.31552 | 0.31639 | 0.33966 | 1 |
| C439 | C | 0.34681 | 0.43292 | 0.31703 | 1 |
| N440 | N | 0.36124 | 0.36114 | 0.30163 | 1 |
| C441 | C | 0.43268 | 0.34599 | 0.3179 | 1 |
| H442 | H | 0.258 | 0.41281 | 0.41852 | 1 |
| H443 | H | 0.3207 | 0.41043 | 0.48639 | 1 |
| H444 | H | 0.44071 | 0.44124 | 0.4612 | 1 |
| H445 | H | 0.46399 | 0.46337 | 0.37594 | 1 |
| H446 | H | 0.40816 | 0.32176 | 0.48725 | 1 |
| H447 | H | 0.41038 | 0.25842 | 0.41999 | 1 |
| H448 | H | 0.26099 | 0.32743 | 0.32821 | 1 |
| H449 | H | 0.32597 | 0.26162 | 0.32886 | 1 |
| H450 | H | 0.3811 | 0.46647 | 0.28645 | 1 |
| H451 | H | 0.29353 | 0.44663 | 0.30227 | 1 |
| H452 | H | 0.44585 | 0.29241 | 0.30374 | 1 |
| H453 | H | 0.46693 | 0.37955 | 0.28731 | 1 |
| H454 | H | 0.29637 | 0.29845 | 0.442 | 1 |
| C455 | C | 0.06597 | 0.09442 | 0.68672 | 1 |
| N456 | N | 0.1089 | 0.05428 | 0.64098 | 1 |
| C457 | C | 0.09374 | 0.07031 | 0.5695 | 1 |
| N458 | N | 0.10802 | 0.14272 | 0.5573 | 1 |
| C459 | C | 0.0649 | 0.18545 | 0.60047 | 1 |
| N460 | N | 0.0809 | 0.16846 | 0.67352 | 1 |
| C461 | C | 0.15488 | 0.18269 | 0.68786 | 1 |
| C462 | C | 0.18127 | 0.06753 | 0.65472 | 1 |
| N463 | N | 0.19534 | 0.13998 | 0.64218 | 1 |
| C464 | C | 0.18035 | 0.15618 | 0.57072 | 1 |
| H465 | H | 0.07725 | 0.08324 | 0.74126 | 1 |
| H466 | H | 0.01077 | 0.08526 | 0.67701 | 1 |
| H467 | H | 0.0396 | 0.05789 | 0.55694 | 1 |
| H468 | H | 0.1259 | 0.0382 | 0.53524 | 1 |
| H469 | H | 0.00974 | 0.17544 | 0.59133 | 1 |
| H470 | H | 0.07521 | 0.24068 | 0.59216 | 1 |
| H471 | H | 0.16526 | 0.17077 | 0.74242 | 1 |
| H472 | H | 0.16456 | 0.23793 | 0.67887 | 1 |
| H473 | H | 0.21359 | 0.03538 | 0.62067 | 1 |
| H474 | H | 0.19487 | 0.05305 | 0.70812 | 1 |
| H475 | H | 0.19338 | 0.21037 | 0.55908 | 1 |
| H476 | H | 0.21264 | 0.1242 | 0.53647 | 1 |
| H477 | H | 0.05157 | 0.19762 | 0.70472 | 1 |
| C478 | C | 0.56354 | 0.59919 | 0.68515 | 1 |
| N479 | N | 0.5803 | 0.67024 | 0.67008 | 1 |

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|------|---|---------|---------|---------|---|
| C480 | C | 0.65256 | 0.68362 | 0.68423 | 1 |
| N481 | N | 0.6945 | 0.64003 | 0.64026 | 1 |
| C482 | C | 0.68117 | 0.56806 | 0.65434 | 1 |
| N483 | N | 0.60694 | 0.55496 | 0.6401 | 1 |
| C484 | C | 0.59201 | 0.5703 | 0.56644 | 1 |
| C485 | C | 0.56536 | 0.68573 | 0.59838 | 1 |
| N486 | N | 0.60779 | 0.64218 | 0.55487 | 1 |
| C487 | C | 0.68013 | 0.65533 | 0.56846 | 1 |
| H488 | H | 0.50899 | 0.58766 | 0.67427 | 1 |
| H489 | H | 0.57473 | 0.58596 | 0.73925 | 1 |
| H490 | H | 0.66442 | 0.67393 | 0.73908 | 1 |
| H491 | H | 0.66463 | 0.73846 | 0.67458 | 1 |
| H492 | H | 0.69198 | 0.55459 | 0.70847 | 1 |
| H493 | H | 0.71182 | 0.53432 | 0.62057 | 1 |
| H494 | H | 0.53742 | 0.5585 | 0.55605 | 1 |
| H495 | H | 0.62449 | 0.53656 | 0.53445 | 1 |
| H496 | H | 0.57602 | 0.74061 | 0.58739 | 1 |
| H497 | H | 0.51017 | 0.67745 | 0.58707 | 1 |
| H498 | H | 0.71269 | 0.62336 | 0.53453 | 1 |
| H499 | H | 0.693 | 0.70957 | 0.55668 | 1 |
| H500 | H | 0.59622 | 0.50523 | 0.64968 | 1 |
| C501 | C | 0.84384 | 0.31932 | 0.93352 | 1 |
| N502 | N | 0.85865 | 0.30587 | 0.86171 | 1 |
| C503 | C | 0.81504 | 0.34776 | 0.81769 | 1 |
| N504 | N | 0.82918 | 0.42002 | 0.83114 | 1 |
| C505 | C | 0.81348 | 0.43682 | 0.90205 | 1 |
| N506 | N | 0.85816 | 0.3935 | 0.94668 | 1 |
| C507 | C | 0.93196 | 0.40838 | 0.93199 | 1 |
| C508 | C | 0.93058 | 0.32017 | 0.84708 | 1 |
| N509 | N | 0.94419 | 0.39252 | 0.86019 | 1 |
| C510 | C | 0.90102 | 0.4349 | 0.81622 | 1 |
| H511 | H | 0.87721 | 0.28865 | 0.96761 | 1 |
| H512 | H | 0.78954 | 0.30865 | 0.94646 | 1 |
| H513 | H | 0.76011 | 0.33594 | 0.82696 | 1 |
| H514 | H | 0.8251 | 0.33562 | 0.76294 | 1 |
| H515 | H | 0.75928 | 0.42559 | 0.91482 | 1 |
| H516 | H | 0.82427 | 0.49138 | 0.91361 | 1 |
| H517 | H | 0.9636 | 0.3759 | 0.96605 | 1 |
| H518 | H | 0.94228 | 0.46297 | 0.94386 | 1 |
| H519 | H | 0.94277 | 0.3072 | 0.79296 | 1 |
| H520 | H | 0.96418 | 0.2876 | 0.87939 | 1 |
| H521 | H | 0.91228 | 0.4901 | 0.82447 | 1 |
| H522 | H | 0.9124 | 0.42416 | 0.76143 | 1 |
| H523 | H | 0.84812 | 0.40431 | 0.99633 | 1 |
| C524 | C | 0.09772 | 0.68119 | 0.18268 | 1 |
| N525 | N | 0.11009 | 0.60872 | 0.19476 | 1 |

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|------|---|---------|---------|---------|---|
| C526 | C | 0.06532 | 0.56675 | 0.15206 | 1 |
| N527 | N | 0.07978 | 0.58109 | 0.08003 | 1 |
| C528 | C | 0.06643 | 0.65277 | 0.06453 | 1 |
| N529 | N | 0.11236 | 0.69525 | 0.10873 | 1 |
| C530 | C | 0.18568 | 0.67853 | 0.09371 | 1 |
| C531 | C | 0.18159 | 0.59199 | 0.18031 | 1 |
| N532 | N | 0.19557 | 0.60615 | 0.1082 | 1 |
| C533 | C | 0.15118 | 0.56423 | 0.06504 | 1 |
| H534 | H | 0.13223 | 0.71358 | 0.21396 | 1 |
| H535 | H | 0.04388 | 0.69572 | 0.19365 | 1 |
| H536 | H | 0.01067 | 0.57728 | 0.1641 | 1 |
| H537 | H | 0.07393 | 0.51154 | 0.16323 | 1 |
| H538 | H | 0.01262 | 0.667 | 0.07586 | 1 |
| H539 | H | 0.07765 | 0.66496 | 0.01019 | 1 |
| H540 | H | 0.21833 | 0.71091 | 0.12692 | 1 |
| H541 | H | 0.19648 | 0.69111 | 0.03937 | 1 |
| H542 | H | 0.19213 | 0.53729 | 0.1923 | 1 |
| H543 | H | 0.21615 | 0.62259 | 0.21349 | 1 |
| H544 | H | 0.16284 | 0.57305 | 0.01001 | 1 |
| H545 | H | 0.16096 | 0.50898 | 0.07496 | 1 |
| H546 | H | 0.10398 | 0.74537 | 0.09884 | 1 |
| C547 | C | 0.93693 | 0.81184 | 0.39953 | 1 |
| N548 | N | 0.92023 | 0.83005 | 0.32918 | 1 |
| C549 | C | 0.84816 | 0.81559 | 0.31503 | 1 |
| N550 | N | 0.80573 | 0.8573 | 0.36034 | 1 |
| C551 | C | 0.81896 | 0.83998 | 0.43161 | 1 |
| N552 | N | 0.89298 | 0.85442 | 0.44558 | 1 |
| C553 | C | 0.90729 | 0.9288 | 0.43359 | 1 |
| C554 | C | 0.93441 | 0.9025 | 0.3169 | 1 |
| N555 | N | 0.89151 | 0.94367 | 0.36228 | 1 |
| C556 | C | 0.81936 | 0.92983 | 0.34834 | 1 |
| H557 | H | 0.99132 | 0.82275 | 0.41175 | 1 |
| H558 | H | 0.92618 | 0.75712 | 0.41026 | 1 |
| H559 | H | 0.8369 | 0.76028 | 0.32254 | 1 |
| H560 | H | 0.83604 | 0.82727 | 0.26061 | 1 |
| H561 | H | 0.8087 | 0.78518 | 0.4425 | 1 |
| H562 | H | 0.78785 | 0.87179 | 0.46677 | 1 |
| H563 | H | 0.96179 | 0.93909 | 0.44591 | 1 |
| H564 | H | 0.87452 | 0.95893 | 0.46874 | 1 |
| H565 | H | 0.92368 | 0.91568 | 0.26252 | 1 |
| H566 | H | 0.9895 | 0.91398 | 0.32567 | 1 |
| H567 | H | 0.78626 | 0.96193 | 0.38165 | 1 |
| H568 | H | 0.8065 | 0.94379 | 0.29461 | 1 |
| H569 | H | 0.90371 | 0.84259 | 0.49485 | 1 |
| C570 | C | 0.43112 | 0.81958 | 0.84142 | 1 |
| N571 | N | 0.35979 | 0.8054 | 0.85763 | 1 |

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|------|---|---------|---------|---------|---|
| C572 | C | 0.34663 | 0.81839 | 0.9301 | 1 |
| N573 | N | 0.3596 | 0.89062 | 0.94461 | 1 |
| C574 | C | 0.43092 | 0.90729 | 0.93089 | 1 |
| N575 | N | 0.44411 | 0.89364 | 0.85657 | 1 |
| C576 | C | 0.39814 | 0.93729 | 0.81357 | 1 |
| C577 | C | 0.3145 | 0.84764 | 0.8157 | 1 |
| N578 | N | 0.32781 | 0.91973 | 0.83077 | 1 |
| C579 | C | 0.31439 | 0.93335 | 0.90311 | 1 |
| H580 | H | 0.44287 | 0.80985 | 0.7867 | 1 |
| H581 | H | 0.46619 | 0.7886 | 0.87348 | 1 |
| H582 | H | 0.37986 | 0.78545 | 0.96243 | 1 |
| H583 | H | 0.29286 | 0.80483 | 0.94326 | 1 |
| H584 | H | 0.46602 | 0.87472 | 0.9613 | 1 |
| H585 | H | 0.44251 | 0.96185 | 0.94172 | 1 |
| H586 | H | 0.40969 | 0.92691 | 0.75894 | 1 |
| H587 | H | 0.40962 | 0.99176 | 0.82484 | 1 |
| H588 | H | 0.26007 | 0.83494 | 0.82673 | 1 |
| H589 | H | 0.32269 | 0.83683 | 0.76039 | 1 |
| H590 | H | 0.32255 | 0.98844 | 0.91501 | 1 |
| H591 | H | 0.25994 | 0.92207 | 0.91548 | 1 |
| H592 | H | 0.4934 | 0.90498 | 0.84553 | 1 |