Kai notation (named to honor [Kai Turner](https://medium.com/@kaigani/the-cryptokitties-genome-project-on-dominance-inheritance-and-mutation-b73059dcd0a4) who deciphered the kitties genome) is a base58 variant / subset for decoding the 240-bit integer into 5-bit blocks. Each 5-bit block is a gene with 32 possible traits. The 240-bit genome breaks down into 12 groups of 4 (x 5-bit) genes (that is, 12 x 4 x 5-bit = 240 bits) Example:

| **Kai** | **Binary** | **Num** | **Kai** | **Binary** | **Num** | **Kai** | **Binary** | **Num** | **Kai** | **Binary** | **Num** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | 00000 | 00 | **9** | 01000 | 08 | **h** | 10000 | 16 | **q** | 11000 | 24 |
| **2** | 00001 | 01 | **a** | 01001 | 09 | **i** | 10001 | 17 | **r** | 11001 | 25 |
| **3** | 00010 | 02 | **b** | 01010 | 10 | **j** | 10010 | 18 | **s** | 11010 | 26 |
| **4** | 00011 | 03 | **c** | 01011 | 11 | **k** | 10011 | 19 | **t** | 11011 | 27 |
| **5** | 00100 | 04 | **d** | 01100 | 12 | **m** | 10100 | 20 | **u** | 11100 | 28 |
| **6** | 00101 | 05 | **e** | 01101 | 13 | **n** | 10101 | 21 | **v** | 11101 | 29 |
| **7** | 00110 | 06 | **f** | 01110 | 14 | **o** | 10110 | 22 | **w** | 11110 | 30 |
| **8** | 00111 | 07 | **g** | 01111 | 15 | **p** | 10111 | 23 | **x** | 11111 | 31 |

Note: The digit-0 and the letter-l are NOT used in kai.

Fur (0-3) • Pattern (4-7) • Eye Color (8-11) • Eye Shape (12-15) • Base Color (16-19) • Highlight Color (20-23) • Accent Color (24-27) • Wild (28-31) • Mouth (32-35) • Environment (36-39) • Secret Y Gene (40-43) • Purrstige (44-47)

**Fur (FU) - Genes 0-3**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | FU00 | [**savannah**](https://www.cryptokitties.co/search?include=sale,sire,other&search=savannah) | h | FU16 | [**norwegianforest**](https://www.cryptokitties.co/search?include=sale,sire,other&search=norwegianforest) I |
| 2 | FU01 | [**selkirk**](https://www.cryptokitties.co/search?include=sale,sire,other&search=selkirk) | i | FU17 | [**mekong**](https://www.cryptokitties.co/search?include=sale,sire,other&search=mekong) I |
| 3 | FU02 | [**chantilly**](https://www.cryptokitties.co/search?include=sale,sire,other&search=chantilly) | j | FU18 | [**highlander**](https://www.cryptokitties.co/search?include=sale,sire,other&search=highlander) I |
| 4 | FU03 | [**birman**](https://www.cryptokitties.co/search?include=sale,sire,other&search=birman) | k | FU19 | [**balinese**](https://www.cryptokitties.co/search?include=sale,sire,other&search=balinese) I |
| 5 | FU04 | [**koladiviya**](https://www.cryptokitties.co/search?include=sale,sire,other&search=koladiviya) | m | FU20 | [**lynx**](https://www.cryptokitties.co/search?include=sale,sire,other&search=lynx) I |
| 6 | FU05 | [**bobtail**](https://www.cryptokitties.co/search?include=sale,sire,other&search=bobtail) | n | FU21 | [**mainecoon**](https://www.cryptokitties.co/search?include=sale,sire,other&search=mainecoon) I |
| 7 | FU06 | [**manul**](https://www.cryptokitties.co/search?include=sale,sire,other&search=manul) | o | FU22 | [**laperm**](https://www.cryptokitties.co/search?include=sale,sire,other&search=laperm) I |
| 8 | FU07 | [**pixiebob**](https://www.cryptokitties.co/search?include=sale,sire,other&search=pixiebob) | p | FU23 | [**persian**](https://www.cryptokitties.co/search?include=sale,sire,other&search=persian) I |
| 9 | FU08 | [**siberian**](https://www.cryptokitties.co/search?include=sale,sire,other&search=siberian) | q | FU24 | [**fox**](https://www.cryptokitties.co/search?include=sale,sire,other&search=fox) II |
| a | FU09 | [**cymric**](https://www.cryptokitties.co/search?include=sale,sire,other&search=cymric) | r | FU25 | [**kurilian**](https://www.cryptokitties.co/search?include=sale,sire,other&search=kurilian) II |
| b | FU10 | [**chartreux**](https://www.cryptokitties.co/search?include=sale,sire,other&search=chartreux) | s | FU26 | [**toyger**](https://www.cryptokitties.co/search?include=sale,sire,other&search=toyger) II |
| c | FU11 | [**himalayan**](https://www.cryptokitties.co/search?include=sale,sire,other&search=himalayan) | t | FU27 | [**manx**](https://www.cryptokitties.co/search?include=sale,sire,other&search=manx) II |
| d | FU12 | [**munchkin**](https://www.cryptokitties.co/search?include=sale,sire,other&search=munchkin) | u | FU28 | [**lykoi**](https://www.cryptokitties.co/search?include=sale,sire,other&search=lykoi) III |
| e | FU13 | [**sphynx**](https://www.cryptokitties.co/search?include=sale,sire,other&search=sphynx) | v | FU29 | [**burmilla**](https://www.cryptokitties.co/search?include=sale,sire,other&search=burmilla) III |
| f | FU14 | [**ragamuffin**](https://www.cryptokitties.co/search?include=sale,sire,other&search=ragamuffin) | w | FU30 | [**liger**](https://www.cryptokitties.co/search?include=sale,sire,other&search=liger) IIII |
| g | FU15 | [**ragdoll**](https://www.cryptokitties.co/search?include=sale,sire,other&search=ragdoll) | x | FU31 | ? |

**Pattern (PA) - Genes 4-7**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | PA00 | [**vigilante**](https://www.cryptokitties.co/search?include=sale,sire,other&search=vigilante) | h | PA16 | [**splat**](https://www.cryptokitties.co/search?include=sale,sire,other&search=splat) I |
| 2 | PA01 | [**tiger**](https://www.cryptokitties.co/search?include=sale,sire,other&search=tiger) | i | PA17 | [**thunderstruck**](https://www.cryptokitties.co/search?include=sale,sire,other&search=thunderstruck) I |
| 3 | PA02 | [**rascal**](https://www.cryptokitties.co/search?include=sale,sire,other&search=rascal) | j | PA18 | [**dippedcone**](https://www.cryptokitties.co/search?include=sale,sire,other&search=dippedcone) I |
| 4 | PA03 | [**ganado**](https://www.cryptokitties.co/search?include=sale,sire,other&search=ganado) | k | PA19 | [**highsociety**](https://www.cryptokitties.co/search?include=sale,sire,other&search=highsociety) I |
| 5 | PA04 | [**leopard**](https://www.cryptokitties.co/search?include=sale,sire,other&search=leopard) | m | PA20 | [**tigerpunk**](https://www.cryptokitties.co/search?include=sale,sire,other&search=tigerpunk) I |
| 6 | PA05 | [**camo**](https://www.cryptokitties.co/search?include=sale,sire,other&search=camo) | n | PA21 | [**henna**](https://www.cryptokitties.co/search?include=sale,sire,other&search=henna) I |
| 7 | PA06 | [**rorschach**](https://www.cryptokitties.co/search?include=sale,sire,other&search=rorschach) | o | PA22 | [**arcreactor**](https://www.cryptokitties.co/search?include=sale,sire,other&search=arcreactor) I |
| 8 | PA07 | [**spangled**](https://www.cryptokitties.co/search?include=sale,sire,other&search=spangled) | p | PA23 | [**totesbasic**](https://www.cryptokitties.co/search?include=sale,sire,other&search=totesbasic) I |
| 9 | PA08 | [**calicool**](https://www.cryptokitties.co/search?include=sale,sire,other&search=calicool) | q | PA24 | [**scorpius**](https://www.cryptokitties.co/search?include=sale,sire,other&search=scorpius) II |
| a | PA09 | [**luckystripe**](https://www.cryptokitties.co/search?include=sale,sire,other&search=luckystripe) | r | PA25 | [**razzledazzle**](https://www.cryptokitties.co/search?include=sale,sire,other&search=razzledazzle) II |
| b | PA10 | [**amur**](https://www.cryptokitties.co/search?include=sale,sire,other&search=amur) | s | PA26 | [**hotrod**](https://www.cryptokitties.co/search?include=sale,sire,other&search=hotrod) II |
| c | PA11 | [**jaguar**](https://www.cryptokitties.co/search?include=sale,sire,other&search=jaguar) | t | PA27 | [**allyouneed**](https://www.cryptokitties.co/search?include=sale,sire,other&search=allyouneed) II |
| d | PA12 | [**spock**](https://www.cryptokitties.co/search?include=sale,sire,other&search=spock) | u | PA28 | [**avatar**](https://www.cryptokitties.co/search?include=sale,sire,other&search=avatar) III |
| e | PA13 | [**mittens**](https://www.cryptokitties.co/search?include=sale,sire,other&search=mittens) | v | PA29 | [**gyre**](https://www.cryptokitties.co/search?include=sale,sire,other&search=gyre) III |
| f | PA14 | [**totesbasic**](https://www.cryptokitties.co/search?include=sale,sire,other&search=totesbasic) | w | PA30 | [**moonrise**](https://www.cryptokitties.co/search?include=sale,sire,other&search=moonrise) IIII |
| g | PA15 | [**totesbasic**](https://www.cryptokitties.co/search?include=sale,sire,other&search=totesbasic) | x | PA31 | ? |

**Eye Color (EC) - Genes 8-11**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | EC00 | [**thundergrey**](https://www.cryptokitties.co/search?include=sale,sire,other&search=thundergrey) | h | EC16 | [**pumpkin**](https://www.cryptokitties.co/search?include=sale,sire,other&search=pumpkin) I |
| 2 | EC01 | [**gold**](https://www.cryptokitties.co/search?include=sale,sire,other&search=gold) | i | EC17 | [**limegreen**](https://www.cryptokitties.co/search?include=sale,sire,other&search=limegreen) I |
| 3 | EC02 | [**topaz**](https://www.cryptokitties.co/search?include=sale,sire,other&search=topaz) | j | EC18 | [**bridesmaid**](https://www.cryptokitties.co/search?include=sale,sire,other&search=bridesmaid) I |
| 4 | EC03 | [**mintgreen**](https://www.cryptokitties.co/search?include=sale,sire,other&search=mintgreen) | k | EC19 | [**bubblegum**](https://www.cryptokitties.co/search?include=sale,sire,other&search=bubblegum) I |
| 5 | EC04 | [**isotope**](https://www.cryptokitties.co/search?include=sale,sire,other&search=isotope) | m | EC20 | [**twilightsparkle**](https://www.cryptokitties.co/search?include=sale,sire,other&search=twilightsparkle) I |
| 6 | EC05 | [**sizzurp**](https://www.cryptokitties.co/search?include=sale,sire,other&search=sizzurp) | n | EC21 | [**palejade**](https://www.cryptokitties.co/search?include=sale,sire,other&search=palejade) I |
| 7 | EC06 | [**chestnut**](https://www.cryptokitties.co/search?include=sale,sire,other&search=chestnut) | o | EC22 | [**pinefresh**](https://www.cryptokitties.co/search?include=sale,sire,other&search=pinefresh) I |
| 8 | EC07 | [**strawberry**](https://www.cryptokitties.co/search?include=sale,sire,other&search=strawberry) | p | EC23 | [**eclipse**](https://www.cryptokitties.co/search?include=sale,sire,other&search=eclipse) I |
| 9 | EC08 | [**sapphire**](https://www.cryptokitties.co/search?include=sale,sire,other&search=sapphire) | q | EC24 | [**babypuke**](https://www.cryptokitties.co/search?include=sale,sire,other&search=babypuke) II |
| a | EC09 | [**forgetmenot**](https://www.cryptokitties.co/search?include=sale,sire,other&search=forgetmenot) | r | EC25 | [**downbythebay**](https://www.cryptokitties.co/search?include=sale,sire,other&search=downbythebay) II |
| b | EC10 | [**dahlia**](https://www.cryptokitties.co/search?include=sale,sire,other&search=dahlia) | s | EC26 | [**autumnmoon**](https://www.cryptokitties.co/search?include=sale,sire,other&search=autumnmoon) II |
| c | EC11 | [**coralsunrise**](https://www.cryptokitties.co/search?include=sale,sire,other&search=coralsunrise) | t | EC27 | [**oasis**](https://www.cryptokitties.co/search?include=sale,sire,other&search=oasis) II |
| d | EC12 | [**olive**](https://www.cryptokitties.co/search?include=sale,sire,other&search=olive) | u | EC28 | [**gemini**](https://www.cryptokitties.co/search?include=sale,sire,other&search=gemini) III |
| e | EC13 | [**doridnudibranch**](https://www.cryptokitties.co/search?include=sale,sire,other&search=doridnudibranch) | v | EC29 | [**dioscuri**](https://www.cryptokitties.co/search?include=sale,sire,other&search=dioscuri) III |
| f | EC14 | [**parakeet**](https://www.cryptokitties.co/search?include=sale,sire,other&search=parakeet) | w | EC30 | [**kaleidoscope**](https://www.cryptokitties.co/search?include=sale,sire,other&search=kaleidoscope) IIII |
| g | EC15 | [**cyan**](https://www.cryptokitties.co/search?include=sale,sire,other&search=cyan) | x | EC31 | ? |

**Eye Shape (ES) - Genes 12-15**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | ES00 | [**swarley**](https://www.cryptokitties.co/search?include=sale,sire,other&search=swarley) | h | ES16 | [**chameleon**](https://www.cryptokitties.co/search?include=sale,sire,other&search=chameleon) I |
| 2 | ES01 | [**wonky**](https://www.cryptokitties.co/search?include=sale,sire,other&search=wonky) | i | ES17 | [**alien**](https://www.cryptokitties.co/search?include=sale,sire,other&search=alien) I |
| 3 | ES02 | [**serpent**](https://www.cryptokitties.co/search?include=sale,sire,other&search=serpent) | j | ES18 | [**fabulous**](https://www.cryptokitties.co/search?include=sale,sire,other&search=fabulous) I |
| 4 | ES03 | [**googly**](https://www.cryptokitties.co/search?include=sale,sire,other&search=googly) | k | ES19 | [**raisedbrow**](https://www.cryptokitties.co/search?include=sale,sire,other&search=raisedbrow) I |
| 5 | ES04 | [**otaku**](https://www.cryptokitties.co/search?include=sale,sire,other&search=otaku) | m | ES20 | [**tendertears**](https://www.cryptokitties.co/search?include=sale,sire,other&search=tendertears) I |
| 6 | ES05 | [**simple**](https://www.cryptokitties.co/search?include=sale,sire,other&search=simple) | n | ES21 | [**hacker**](https://www.cryptokitties.co/search?include=sale,sire,other&search=hacker) I |
| 7 | ES06 | [**crazy**](https://www.cryptokitties.co/search?include=sale,sire,other&search=crazy) | o | ES22 | [**sass**](https://www.cryptokitties.co/search?include=sale,sire,other&search=sass) I |
| 8 | ES07 | [**thicccbrowz**](https://www.cryptokitties.co/search?include=sale,sire,other&search=thicccbrowz) | p | ES23 | [**sweetmeloncakes**](https://www.cryptokitties.co/search?include=sale,sire,other&search=sweetmeloncakes) I |
| 9 | ES08 | [**caffeine**](https://www.cryptokitties.co/search?include=sale,sire,other&search=caffeine) | q | ES24 | [**oceanid**](https://www.cryptokitties.co/search?include=sale,sire,other&search=oceanid) II |
| a | ES09 | [**wowza**](https://www.cryptokitties.co/search?include=sale,sire,other&search=wowza) | r | ES25 | [**wingtips**](https://www.cryptokitties.co/search?include=sale,sire,other&search=wingtips) II |
| b | ES10 | [**baddate**](https://www.cryptokitties.co/search?include=sale,sire,other&search=baddate) | s | ES26 | [**firedup**](https://www.cryptokitties.co/search?include=sale,sire,other&search=firedup) II |
| c | ES11 | [**asif**](https://www.cryptokitties.co/search?include=sale,sire,other&search=asif) | t | ES27 | [**buzzed**](https://www.cryptokitties.co/search?include=sale,sire,other&search=buzzed) II |
| d | ES12 | [**chronic**](https://www.cryptokitties.co/search?include=sale,sire,other&search=chronic) | u | ES28 | [**bornwithit**](https://www.cryptokitties.co/search?include=sale,sire,other&search=bornwithit) III |
| e | ES13 | [**slyboots**](https://www.cryptokitties.co/search?include=sale,sire,other&search=slyboots) | v | ES29 | [**candyshoppe**](https://www.cryptokitties.co/search?include=sale,sire,other&search=candyshoppe) III |
| f | ES14 | [**wiley**](https://www.cryptokitties.co/search?include=sale,sire,other&search=wiley) | w | ES30 | [**drama**](https://www.cryptokitties.co/search?include=sale,sire,other&search=drama) IIII |
| g | ES15 | [**stunned**](https://www.cryptokitties.co/search?include=sale,sire,other&search=stunned) | x | ES31 | ? |

**Base Color (BC) - Genes 16-19**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | BC00 | [**shadowgrey**](https://www.cryptokitties.co/search?include=sale,sire,other&search=shadowgrey) | h | BC16 | [**cloudwhite**](https://www.cryptokitties.co/search?include=sale,sire,other&search=cloudwhite) I |
| 2 | BC01 | [**salmon**](https://www.cryptokitties.co/search?include=sale,sire,other&search=salmon) | i | BC17 | [**cornflower**](https://www.cryptokitties.co/search?include=sale,sire,other&search=cornflower) I |
| 3 | BC02 | [**meowgarine**](https://www.cryptokitties.co/search?include=sale,sire,other&search=meowgarine) | j | BC18 | [**oldlace**](https://www.cryptokitties.co/search?include=sale,sire,other&search=oldlace) I |
| 4 | BC03 | [**orangesoda**](https://www.cryptokitties.co/search?include=sale,sire,other&search=orangesoda) | k | BC19 | [**koala**](https://www.cryptokitties.co/search?include=sale,sire,other&search=koala) I |
| 5 | BC04 | [**cottoncandy**](https://www.cryptokitties.co/search?include=sale,sire,other&search=cottoncandy) | m | BC20 | [**lavender**](https://www.cryptokitties.co/search?include=sale,sire,other&search=lavender) I |
| 6 | BC05 | [**mauveover**](https://www.cryptokitties.co/search?include=sale,sire,other&search=mauveover) | n | BC21 | [**glacier**](https://www.cryptokitties.co/search?include=sale,sire,other&search=glacier) I |
| 7 | BC06 | [**aquamarine**](https://www.cryptokitties.co/search?include=sale,sire,other&search=aquamarine) | o | BC22 | [**redvelvet**](https://www.cryptokitties.co/search?include=sale,sire,other&search=redvelvet) I |
| 8 | BC07 | [**nachocheez**](https://www.cryptokitties.co/search?include=sale,sire,other&search=nachocheez) | p | BC23 | [**verdigris**](https://www.cryptokitties.co/search?include=sale,sire,other&search=verdigris) I |
| 9 | BC08 | [**harbourfog**](https://www.cryptokitties.co/search?include=sale,sire,other&search=harbourfog) | q | BC24 | [**icicle**](https://www.cryptokitties.co/search?include=sale,sire,other&search=icicle) II |
| a | BC09 | [**cinderella**](https://www.cryptokitties.co/search?include=sale,sire,other&search=cinderella) | r | BC25 | [**onyx**](https://www.cryptokitties.co/search?include=sale,sire,other&search=onyx) II |
| b | BC10 | [**greymatter**](https://www.cryptokitties.co/search?include=sale,sire,other&search=greymatter) | s | BC26 | [**hyacinth**](https://www.cryptokitties.co/search?include=sale,sire,other&search=hyacinth) II |
| c | BC11 | [**tundra**](https://www.cryptokitties.co/search?include=sale,sire,other&search=tundra) | t | BC27 | [**martian**](https://www.cryptokitties.co/search?include=sale,sire,other&search=martian) II |
| d | BC12 | [**brownies**](https://www.cryptokitties.co/search?include=sale,sire,other&search=brownies) | u | BC28 | [**hotcocoa**](https://www.cryptokitties.co/search?include=sale,sire,other&search=hotcocoa) III |
| e | BC13 | [**dragonfruit**](https://www.cryptokitties.co/search?include=sale,sire,other&search=dragonfruit) | v | BC29 | [**shamrock**](https://www.cryptokitties.co/search?include=sale,sire,other&search=shamrock) III |
| f | BC14 | [**hintomint**](https://www.cryptokitties.co/search?include=sale,sire,other&search=hintomint) | w | BC30 | [**firstblush**](https://www.cryptokitties.co/search?include=sale,sire,other&search=firstblush) IIII |
| g | BC15 | [**bananacream**](https://www.cryptokitties.co/search?include=sale,sire,other&search=bananacream) | x | BC31 | ? |

**Highlight Color (HC) - Genes 20-23**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | HC00 | [**cyborg**](https://www.cryptokitties.co/search?include=sale,sire,other&search=cyborg) | h | HC16 | [**ooze**](https://www.cryptokitties.co/search?include=sale,sire,other&search=ooze) I |
| 2 | HC01 | [**springcrocus**](https://www.cryptokitties.co/search?include=sale,sire,other&search=springcrocus) | i | HC17 | [**safetyvest**](https://www.cryptokitties.co/search?include=sale,sire,other&search=safetyvest) I |
| 3 | HC02 | [**egyptiankohl**](https://www.cryptokitties.co/search?include=sale,sire,other&search=egyptiankohl) | j | HC18 | [**turtleback**](https://www.cryptokitties.co/search?include=sale,sire,other&search=turtleback) I |
| 4 | HC03 | [**poisonberry**](https://www.cryptokitties.co/search?include=sale,sire,other&search=poisonberry) | k | HC19 | [**rosequartz**](https://www.cryptokitties.co/search?include=sale,sire,other&search=rosequartz) I |
| 5 | HC04 | [**lilac**](https://www.cryptokitties.co/search?include=sale,sire,other&search=lilac) | m | HC20 | [**wolfgrey**](https://www.cryptokitties.co/search?include=sale,sire,other&search=wolfgrey) I |
| 6 | HC05 | [**apricot**](https://www.cryptokitties.co/search?include=sale,sire,other&search=apricot) | n | HC21 | [**cerulian**](https://www.cryptokitties.co/search?include=sale,sire,other&search=cerulian) I |
| 7 | HC06 | [**royalpurple**](https://www.cryptokitties.co/search?include=sale,sire,other&search=royalpurple) | o | HC22 | [**skyblue**](https://www.cryptokitties.co/search?include=sale,sire,other&search=skyblue) I |
| 8 | HC07 | [**padparadscha**](https://www.cryptokitties.co/search?include=sale,sire,other&search=padparadscha) | p | HC23 | [**garnet**](https://www.cryptokitties.co/search?include=sale,sire,other&search=garnet) I |
| 9 | HC08 | [**swampgreen**](https://www.cryptokitties.co/search?include=sale,sire,other&search=swampgreen) | q | HC24 | [**peppermint**](https://www.cryptokitties.co/search?include=sale,sire,other&search=peppermint) II |
| a | HC09 | [**violet**](https://www.cryptokitties.co/search?include=sale,sire,other&search=violet) | r | HC25 | [**universe**](https://www.cryptokitties.co/search?include=sale,sire,other&search=universe) II |
| b | HC10 | [**scarlet**](https://www.cryptokitties.co/search?include=sale,sire,other&search=scarlet) | s | HC26 | [**royalblue**](https://www.cryptokitties.co/search?include=sale,sire,other&search=royalblue) II |
| c | HC11 | [**barkbrown**](https://www.cryptokitties.co/search?include=sale,sire,other&search=barkbrown) | t | HC27 | [**mertail**](https://www.cryptokitties.co/search?include=sale,sire,other&search=mertail) II |
| d | HC12 | [**coffee**](https://www.cryptokitties.co/search?include=sale,sire,other&search=coffee) | u | HC28 | [**inflatablepool**](https://www.cryptokitties.co/search?include=sale,sire,other&search=inflatablepool) III |
| e | HC13 | [**lemonade**](https://www.cryptokitties.co/search?include=sale,sire,other&search=lemonade) | v | HC29 | [**pearl**](https://www.cryptokitties.co/search?include=sale,sire,other&search=pearl) III |
| f | HC14 | [**chocolate**](https://www.cryptokitties.co/search?include=sale,sire,other&search=chocolate) | w | HC30 | [**prairierose**](https://www.cryptokitties.co/search?include=sale,sire,other&search=prairierose) IIII |
| g | HC15 | [**butterscotch**](https://www.cryptokitties.co/search?include=sale,sire,other&search=butterscotch) | x | HC31 | ? |

**Accent Color (AC) - Genes 24-27**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | AC00 | [**belleblue**](https://www.cryptokitties.co/search?include=sale,sire,other&search=belleblue) | h | AC16 | [**daffodil**](https://www.cryptokitties.co/search?include=sale,sire,other&search=daffodil) I |
| 2 | AC01 | [**sandalwood**](https://www.cryptokitties.co/search?include=sale,sire,other&search=sandalwood) | i | AC17 | [**flamingo**](https://www.cryptokitties.co/search?include=sale,sire,other&search=flamingo) I |
| 3 | AC02 | [**peach**](https://www.cryptokitties.co/search?include=sale,sire,other&search=peach) | j | AC18 | [**buttercup**](https://www.cryptokitties.co/search?include=sale,sire,other&search=buttercup) I |
| 4 | AC03 | [**icy**](https://www.cryptokitties.co/search?include=sale,sire,other&search=icy) | k | AC19 | [**bloodred**](https://www.cryptokitties.co/search?include=sale,sire,other&search=bloodred) I |
| 5 | AC04 | [**granitegrey**](https://www.cryptokitties.co/search?include=sale,sire,other&search=granitegrey) | m | AC20 | [**atlantis**](https://www.cryptokitties.co/search?include=sale,sire,other&search=atlantis) I |
| 6 | AC05 | [**cashewmilk**](https://www.cryptokitties.co/search?include=sale,sire,other&search=cashewmilk) | n | AC21 | [**summerbonnet**](https://www.cryptokitties.co/search?include=sale,sire,other&search=summerbonnet) I |
| 7 | AC06 | [**kittencream**](https://www.cryptokitties.co/search?include=sale,sire,other&search=kittencream) | o | AC22 | [**periwinkle**](https://www.cryptokitties.co/search?include=sale,sire,other&search=periwinkle) I |
| 8 | AC07 | [**emeraldgreen**](https://www.cryptokitties.co/search?include=sale,sire,other&search=emeraldgreen) | p | AC23 | [**patrickstarfish**](https://www.cryptokitties.co/search?include=sale,sire,other&search=patrickstarfish) I |
| 9 | AC08 | [**kalahari**](https://www.cryptokitties.co/search?include=sale,sire,other&search=kalahari) | q | AC24 | [**seafoam**](https://www.cryptokitties.co/search?include=sale,sire,other&search=seafoam) II |
| a | AC09 | [**shale**](https://www.cryptokitties.co/search?include=sale,sire,other&search=shale) | r | AC25 | [**cobalt**](https://www.cryptokitties.co/search?include=sale,sire,other&search=cobalt) II |
| b | AC10 | [**purplehaze**](https://www.cryptokitties.co/search?include=sale,sire,other&search=purplehaze) | s | AC26 | [**mallowflower**](https://www.cryptokitties.co/search?include=sale,sire,other&search=mallowflower) II |
| c | AC11 | [**hanauma**](https://www.cryptokitties.co/search?include=sale,sire,other&search=hanauma) | t | AC27 | [**mintmacaron**](https://www.cryptokitties.co/search?include=sale,sire,other&search=mintmacaron) II |
| d | AC12 | [**azaleablush**](https://www.cryptokitties.co/search?include=sale,sire,other&search=azaleablush) | u | AC28 | [**sully**](https://www.cryptokitties.co/search?include=sale,sire,other&search=sully) III |
| e | AC13 | [**missmuffett**](https://www.cryptokitties.co/search?include=sale,sire,other&search=missmuffett) | v | AC29 | [**fallspice**](https://www.cryptokitties.co/search?include=sale,sire,other&search=fallspice) III |
| f | AC14 | [**morningglory**](https://www.cryptokitties.co/search?include=sale,sire,other&search=morningglory) | w | AC30 | [**dreamboat**](https://www.cryptokitties.co/search?include=sale,sire,other&search=dreamboat) IIII |
| g | AC15 | [**frosting**](https://www.cryptokitties.co/search?include=sale,sire,other&search=frosting) | x | AC31 | ? |

**Wild (WE) - Genes 28-31**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | WE00 | ? | h | WE16 | [**littlefoot**](https://www.cryptokitties.co/search?include=sale,sire,other&search=littlefoot) I |
| 2 | WE01 | ? | i | WE17 | [**elk**](https://www.cryptokitties.co/search?include=sale,sire,other&search=elk) I |
| 3 | WE02 | ? | j | WE18 | [**ducky**](https://www.cryptokitties.co/search?include=sale,sire,other&search=ducky) I |
| 4 | WE03 | ? | k | WE19 | [**trioculus**](https://www.cryptokitties.co/search?include=sale,sire,other&search=trioculus) I |
| 5 | WE04 | ? | m | WE20 | [**daemonwings**](https://www.cryptokitties.co/search?include=sale,sire,other&search=daemonwings) I |
| 6 | WE05 | ? | n | WE21 | [**featherbrain**](https://www.cryptokitties.co/search?include=sale,sire,other&search=featherbrain) I |
| 7 | WE06 | ? | o | WE22 | [**flapflap**](https://www.cryptokitties.co/search?include=sale,sire,other&search=flapflap) I |
| 8 | WE07 | ? | p | WE23 | [**daemonhorns**](https://www.cryptokitties.co/search?include=sale,sire,other&search=daemonhorns) I |
| 9 | WE08 | ? | q | WE24 | [**dragontail**](https://www.cryptokitties.co/search?include=sale,sire,other&search=dragontail) II |
| a | WE09 | ? | r | WE25 | [**aflutter**](https://www.cryptokitties.co/search?include=sale,sire,other&search=aflutter) II |
| b | WE10 | ? | s | WE26 | [**foghornpawhorn**](https://www.cryptokitties.co/search?include=sale,sire,other&search=foghornpawhorn) II |
| c | WE11 | ? | t | WE27 | [**unicorn**](https://www.cryptokitties.co/search?include=sale,sire,other&search=unicorn) II |
| d | WE12 | ? | u | WE28 | [**dragonwings**](https://www.cryptokitties.co/search?include=sale,sire,other&search=dragonwings) III |
| e | WE13 | ? | v | WE29 | [**alicorn**](https://www.cryptokitties.co/search?include=sale,sire,other&search=alicorn) III |
| f | WE14 | ? | w | WE30 | [**wyrm**](https://www.cryptokitties.co/search?include=sale,sire,other&search=wyrm) IIII |
| g | WE15 | ? | x | WE31 | ? |

**Mouth (MO) - Genes 32-35**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | MO00 | [**whixtensions**](https://www.cryptokitties.co/search?include=sale,sire,other&search=whixtensions) | h | MO16 | [**cheeky**](https://www.cryptokitties.co/search?include=sale,sire,other&search=cheeky) I |
| 2 | MO01 | [**wasntme**](https://www.cryptokitties.co/search?include=sale,sire,other&search=wasntme) | i | MO17 | [**starstruck**](https://www.cryptokitties.co/search?include=sale,sire,other&search=starstruck) I |
| 3 | MO02 | [**wuvme**](https://www.cryptokitties.co/search?include=sale,sire,other&search=wuvme) | j | MO18 | [**samwise**](https://www.cryptokitties.co/search?include=sale,sire,other&search=samwise) I |
| 4 | MO03 | [**gerbil**](https://www.cryptokitties.co/search?include=sale,sire,other&search=gerbil) | k | MO19 | [**ruhroh**](https://www.cryptokitties.co/search?include=sale,sire,other&search=ruhroh) I |
| 5 | MO04 | [**confuzzled**](https://www.cryptokitties.co/search?include=sale,sire,other&search=confuzzled) | m | MO20 | [**dali**](https://www.cryptokitties.co/search?include=sale,sire,other&search=dali) I |
| 6 | MO05 | [**impish**](https://www.cryptokitties.co/search?include=sale,sire,other&search=impish) | n | MO21 | [**grimace**](https://www.cryptokitties.co/search?include=sale,sire,other&search=grimace) I |
| 7 | MO06 | [**belch**](https://www.cryptokitties.co/search?include=sale,sire,other&search=belch) | o | MO22 | [**majestic**](https://www.cryptokitties.co/search?include=sale,sire,other&search=majestic) I |
| 8 | MO07 | [**rollercoaster**](https://www.cryptokitties.co/search?include=sale,sire,other&search=rollercoaster) | p | MO23 | [**tongue**](https://www.cryptokitties.co/search?include=sale,sire,other&search=tongue) I |
| 9 | MO08 | [**beard**](https://www.cryptokitties.co/search?include=sale,sire,other&search=beard) | q | MO24 | [**yokel**](https://www.cryptokitties.co/search?include=sale,sire,other&search=yokel) II |
| a | MO09 | [**pouty**](https://www.cryptokitties.co/search?include=sale,sire,other&search=pouty) | r | MO25 | [**topoftheworld**](https://www.cryptokitties.co/search?include=sale,sire,other&search=topoftheworld) II |
| b | MO10 | [**saycheese**](https://www.cryptokitties.co/search?include=sale,sire,other&search=saycheese) | s | MO26 | [**neckbeard**](https://www.cryptokitties.co/search?include=sale,sire,other&search=neckbeard) II |
| c | MO11 | [**grim**](https://www.cryptokitties.co/search?include=sale,sire,other&search=grim) | t | MO27 | [**satiated**](https://www.cryptokitties.co/search?include=sale,sire,other&search=satiated) II |
| d | MO12 | [**fangtastic**](https://www.cryptokitties.co/search?include=sale,sire,other&search=fangtastic) | u | MO28 | [**walrus**](https://www.cryptokitties.co/search?include=sale,sire,other&search=walrus) III |
| e | MO13 | [**moue**](https://www.cryptokitties.co/search?include=sale,sire,other&search=moue) | v | MO29 | [**struck**](https://www.cryptokitties.co/search?include=sale,sire,other&search=struck) III |
| f | MO14 | [**happygokitty**](https://www.cryptokitties.co/search?include=sale,sire,other&search=happygokitty) | w | MO30 | [**delite**](https://www.cryptokitties.co/search?include=sale,sire,other&search=delite) IIII |
| g | MO15 | [**soserious**](https://www.cryptokitties.co/search?include=sale,sire,other&search=soserious) | x | MO31 | ? |

**Environment (EN) - Genes 36-39**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | EN00 | ? | h | EN16 | [**salty**](https://www.cryptokitties.co/search?include=sale,sire,other&search=salty) I |
| 2 | EN01 | ? | i | EN17 | [**dune**](https://www.cryptokitties.co/search?include=sale,sire,other&search=dune) I |
| 3 | EN02 | ? | j | EN18 | [**juju**](https://www.cryptokitties.co/search?include=sale,sire,other&search=juju) I |
| 4 | EN03 | ? | k | EN19 | [**tinybox**](https://www.cryptokitties.co/search?include=sale,sire,other&search=tinybox) I |
| 5 | EN04 | ? | m | EN20 | [**myparade**](https://www.cryptokitties.co/search?include=sale,sire,other&search=myparade) I |
| 6 | EN05 | ? | n | EN21 | [**finalfrontier**](https://www.cryptokitties.co/search?include=sale,sire,other&search=finalfrontier) I |
| 7 | EN06 | ? | o | EN22 | [**metime**](https://www.cryptokitties.co/search?include=sale,sire,other&search=metime) I |
| 8 | EN07 | ? | p | EN23 | [**drift**](https://www.cryptokitties.co/search?include=sale,sire,other&search=drift) I |
| 9 | EN08 | ? | q | EN24 | [**secretgarden**](https://www.cryptokitties.co/search?include=sale,sire,other&search=secretgarden) II |
| a | EN09 | ? | r | EN25 | [**frozen**](https://www.cryptokitties.co/search?include=sale,sire,other&search=frozen) II |
| b | EN10 | ? | s | EN26 | [**roadtogold**](https://www.cryptokitties.co/search?include=sale,sire,other&search=roadtogold) II |
| c | EN11 | ? | t | EN27 | [**jacked**](https://www.cryptokitties.co/search?include=sale,sire,other&search=jacked) II |
| d | EN12 | ? | u | EN28 | [**floorislava**](https://www.cryptokitties.co/search?include=sale,sire,other&search=floorislava) III |
| e | EN13 | ? | v | EN29 | [**prism**](https://www.cryptokitties.co/search?include=sale,sire,other&search=prism) III |
| f | EN14 | ? | w | EN30 | [**junglebook**](https://www.cryptokitties.co/search?include=sale,sire,other&search=junglebook) IIII |
| g | EN15 | ? | x | EN31 | ? |

**Secret Y Gene (SE) - Genes 40-43**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | SE00 | ? | h | SE16 | ? |
| 2 | SE01 | ? | i | SE17 | ? |
| 3 | SE02 | ? | j | SE18 | ? |
| 4 | SE03 | ? | k | SE19 | ? |
| 5 | SE04 | ? | m | SE20 | ? |
| 6 | SE05 | ? | n | SE21 | ? |
| 7 | SE06 | ? | o | SE22 | ? |
| 8 | SE07 | ? | p | SE23 | ? |
| 9 | SE08 | ? | q | SE24 | ? |
| a | SE09 | ? | r | SE25 | ? |
| b | SE10 | ? | s | SE26 | ? |
| c | SE11 | ? | t | SE27 | ? |
| d | SE12 | ? | u | SE28 | ? |
| e | SE13 | ? | v | SE29 | ? |
| f | SE14 | ? | w | SE30 | ? |
| g | SE15 | ? | x | SE31 | ? |

**Purrstige (PU) - Genes 44-47**

| **Kai** | **Code** | **Cattribute** | **Kai** | **Code** | **Cattribute** |
| --- | --- | --- | --- | --- | --- |
| 1 | PU00 | ? | h | PU16 | ? |
| 2 | PU01 | ? | i | PU17 | ? |
| 3 | PU02 | ? | j | PU18 | ? |
| 4 | PU03 | ? | k | PU19 | ? |
| 5 | PU04 | ? | m | PU20 | ? |
| 6 | PU05 | ? | n | PU21 | ? |
| 7 | PU06 | ? | o | PU22 | ? |
| 8 | PU07 | ? | p | PU23 | ? |
| 9 | PU08 | ? | q | PU24 | ? |
| a | PU09 | ? | r | PU25 | ? |
| b | PU10 | ? | s | PU26 | ? |
| c | PU11 | ? | t | PU27 | ? |
| d | PU12 | ? | u | PU28 | ? |
| e | PU13 | ? | v | PU29 | ? |
| f | PU14 | ? | w | PU30 | ? |
| g | PU15 | ? | x | PU31 | ? |