**Appendix 2. List of foods, food group and sub-groups used in the model**

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| **FG code** | **Food Group** | **FSG code** | **Food Sub-group** | **Food Code** | **Food Name** |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 9 | Barley flour black unrefined, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 4 | Barley flour black/white mix unrefined, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 12 | Barley flour white unrefined, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 6 | Barley grains germinated, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 7 | Barley grains, roasted |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 211 | Barley split grains black, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 213 | Barley split grains black/white mixture, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 212 | Barley split grains white, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 217 | Biscuit |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 147 | Bread recipe Amhara |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 266 | Injera firfir recipe Addis |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 180 | Injera recipe Addis |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 144 | Injera recipe Amhara Debub |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 169 | Injera recipe Amhara Secota |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 177 | Injera recipe Oromia |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 176 | Injera recipe Tigray, Kaya Azebolaga |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 179 | Injera recipe Tigray, Merere |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 247 | Kita, unfermented bread generic |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 203 | Maize and millet whole grain mix, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 182 | Maize and sorghum flour, raw RTboiled |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 284 | Maize flour white, raw |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 199 | Maize flour white, raw boiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 65 | Maize flour yellow , raw RTboiled/baked |

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| **FG code** | **Food Group** | **FSG code** | **Food Sub-group** | **Food Code** | **Food Name** |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 206 | Maize white and wheat flour, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 207 | Maize white, wheat and barley flour, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 202 | Maize whole grains white, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 64 | Maize whole grains yellow , raw RTboiled/roasted |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 20 | Millet finger flour black, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 118 | Millet finger flour black/red, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 71 | Millet finger flour black/white, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 70 | Millet finger flour white, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 201 | Millet finger whole grain mixed, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 72 | Millet finger whole grain red, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 74 | Oat flour, raw RTboiled |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 165 | Pasta wheat white, boiled |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 261 | Porridge recipe generic |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 100 | Potato Irish, raw RTboiled |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 101 | Potato Irish, raw RTboiled and fried |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 256 | Rice brown flour, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 108 | Rice whole grain brown , raw RTboiled |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 245 | Rice with carrot generic |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 121 | Sorghum flour red, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 183 | Sorghum flour red/white mix, raw RTboiled |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 285 | Sorghum flour white, raw |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 120 | Sorghum flour white, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 214 | Teff and rice flour, raw RTbaked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 208 | Teff and wheat flour, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 127 | Teff flour red, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 129 | Teff flour red/white mixture, raw RTboiled/baked |
| **FG code** | **Food Group** | **FSG code** | **Food Sub-group** | **Food Code** | **Food Name** |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 130 | Teff flour white, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 254 | Teff, sorghum and fenugreek flour, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 205 | Teff, wheat, maize flour mixture, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 168 | Wheat and chickpea mixture, roasted |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 282 | Wheat flour black, raw |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 142 | Wheat flour black, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 281 | Wheat flour white, raw |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 139 | Wheat flour white, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 141 | Wheat flour white/black mixture, raw RTboiled/baked |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 151 | Wheat whole grain white boiled |
| 1 | Grains, white roots and tubers | 1.1 | Grain | 161 | Wheat whole grain white roasted |
| 1 | Grains, white roots and tubers | 1.2 | Roots/tubers | 210 | Kocho, bread ready to eat |
| 1 | Grains, white roots and tubers | 1.2 | Roots/tubers | 126 | Potato sweet, raw RTboiled |
| 1 | Grains, white roots and tubers | 1.2 | Roots/tubers | 243 | Stew potato carrot generic |
| 1 | Grains, white roots and tubers | 1.2 | Roots/tubers | 160 | Stew potato recipe Amhara |
| 2 | Pulses  | 2.1 | Pulses  | 278 | Bean broad flour, raw |
| 2 | Pulses  | 2.1 | Pulses  | 17 | Bean broad flour, raw RTboiled |
| 2 | Pulses  | 2.1 | Pulses  | 16 | Bean broad flour, raw RTboiled and fried |
| 2 | Pulses  | 2.1 | Pulses  | 209 | Bean broad whole dried roasted and boiled |
| 2 | Pulses  | 2.1 | Pulses  | 122 | Bean soy whole, raw RTboiled and baked |
| 2 | Pulses  | 2.1 | Pulses  | 230 | Green bean, raw RTboiled |
| 2 | Pulses  | 2.1 | Pulses  | 53 | Hilbet recipe Amhara |
| 2 | Pulses  | 2.1 | Pulses  | 58 | Lentil split red, dried RTboiled |
| 2 | Pulses  | 2.1 | Pulses  | 57 | Lentil whole black, dried RTboiled |
| 2 | Pulses  | 2.1 | Pulses  | 280 | Pea chick flour, raw |
| 2 | Pulses  | 2.1 | Pulses  | 242 | Pea chick flour, raw RTboiled |
| 2 | Pulses  | 2.1 | Pulses  | 33 | Pea chick whole, dried RTroasted |
| 2 | Pulses  | 2.1 | Pulses  | 279 | Pea field flour, raw |
| 2 | Pulses  | 2.1 | Pulses  | 92 | Pea field flour, raw RTboiled |
| 2 | Pulses  | 2.1 | Pulses  | 91 | Pea field flour, raw RTboiled and baked |
| 2 | Pulses  | 2.1 | Pulses  | 98 | Pea/bean flour mixture, raw RTboiled |
| 2 | Pulses  | 2.1 | Pulses  | 93 | Pea/bean flour mixture, raw RTboiled and baked |
| **FG code** | **Food Group** | **FSG code** | **Food Sub-group** | **Food Code** | **Food Name** |
| 2 | Pulses  | 2.1 | Pulses  | 99 | Pea/bean/chickpea flour mixture, raw RTboiled |
| 2 | Pulses  | 2.1 | Pulses  | 90 | Peas field whole, dried RTboiled |
| 2 | Pulses  | 2.1 | Pulses  | 89 | Peas field whole, dried RTboiled and baked |
| 2 | Pulses  | 2.1 | Pulses  | 241 | Shiro flour recipe Addis |
| 2 | Pulses  | 2.1 | Pulses  | 270 | Stew cabbage recipe Addis |
| 2 | Pulses  | 2.1 | Pulses  | 248 | Stew potato with bean splitted recipe generic |
| 2 | Pulses  | 2.1 | Pulses  | 249 | Stew potato with dried meat recipe Amhara |
| 2 | Pulses  | 2.1 | Pulses  | 250 | Stew potato with split pea recipe generic |
| 2 | Pulses  | 2.1 | Pulses  | 240 | Stew shiro recipe Addis |
| 2 | Pulses  | 2.1 | Pulses  | 162 | Stew shiro recipe Amhara |
| 2 | Pulses  | 2.1 | Pulses  | 269 | Stew shiro recipe Tigray |
| 2 | Pulses  | 2.1 | Pulses  | 148 | Stew split bean recipe Amhara |
| 2 | Pulses  | 2.1 | Pulses  | 271 | Stew split lentil recipe Addis |
| 2 | Pulses  | 2.1 | Pulses  | 156 | Stew split lentil recipe Amhara |
| 2 | Pulses  | 2.1 | Pulses  | 159 | Stew split pea recipe Amhara |
| 2 | Pulses  | 2.1 | Pulses  | 264 | Vetch flour, raw RTbaked |
| 3 | Nuts and seeds | 3.1 | Seeds | 226 | Ajwain seeds, dried |
| 3 | Nuts and seeds | 3.1 | Seeds | 272 | Chibito recipe Addis |
| 3 | Nuts and seeds | 3.1 | Seeds | 228 | Cumin seeds, dried |
| 3 | Nuts and seeds | 3.1 | Seeds | 154 | Erito recipe Amhara |
| 3 | Nuts and seeds | 3.1 | Seeds | 236 | Fennel seeds, dried |
| 3 | Nuts and seeds | 3.1 | Seeds | 157 | Linseed and nigerseed stuffed pancake recipe Amhara |
| 3 | Nuts and seeds | 3.1 | Seeds | 61 | Linseed paste, raw |
| 3 | Nuts and seeds | 3.1 | Seeds | 59 | Linseed white, dried |
| 3 | Nuts and seeds | 3.1 | Seeds | 60 | Linseed white, dried RTboiled |
| 3 | Nuts and seeds | 3.1 | Seeds | 215 | Mustard seeds, raw RTboiled |
| 3 | Nuts and seeds | 3.1 | Seeds | 73 | Niger seed, roasted RTboiled |
| 3 | Nuts and seeds | 3.1 | Seeds | 233 | Sesame seed, dried |
| 3 | Nuts and seeds | 3.1 | Seeds | 170 | Sunflower seeds, dried |
| 3 | Nuts and seeds | 3.2 | Nut | 143 | Almonds nuts |
| 3 | Nuts and seeds | 3.2 | Nut | 232 | Peanut butter |
| 4 | Milk and dairy  | 4.1 | Milk | 175 | Milk cow fresh, raw |
| 4 | Milk and dairy  | 4.1 | Milk | 40 | Milk cow fresh, raw RTboiled |
| 4 | Milk and dairy  | 4.1 | Milk | 146 | Whey cow |
| 4 | Milk and dairy  | 4.2 | Yoghurt and cheese | 31 | Cheese cottage cow |
| 4 | Milk and dairy  | 4.2 | Yoghurt and cheese | 145 | Yoghurt whole milk cow |

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| **FG code** | **Food Group** | **FSG code** | **Food Sub-group** | **Food Code** | **Food Name** |
| 5 | Fish and shellfish | 5.1 | Fish and shellfish | 253 | Fish tilapia, raw RTbaked |
| 5 | Fish and shellfish | 5.1 | Fish and shellfish | 252 | Fish tilapia, raw RTboiled |
| 6 | Meat and eggs | 6.1 | Meat | 274 | Beef fried recipe Addis |
| 6 | Meat and eggs | 6.1 | Meat | 41 | Beef, dried RTboiled and baked |
| 6 | Meat and eggs | 6.1 | Meat | 67 | Beef, dried RTfried |
| 6 | Meat and eggs | 6.1 | Meat | 219 | Beef, raw |
| 6 | Meat and eggs | 6.1 | Meat | 198 | Beef, raw RTfried |
| 6 | Meat and eggs | 6.1 | Meat | 15 | Beef, raw RTfried and boiled |
| 6 | Meat and eggs | 6.1 | Meat | 194 | Camel meat, raw RTboiled |
| 6 | Meat and eggs | 6.1 | Meat | 193 | Goat meat, raw RTboiled |
| 6 | Meat and eggs | 6.1 | Meat | 239 | Kitfo recipe Addis |
| 6 | Meat and eggs | 6.1 | Meat | 192 | Mutton meat, raw RTboiled |
| 6 | Meat and eggs | 6.1 | Meat | 153 | Stew dried meat dried recipe Amhara |
| 6 | Meat and eggs | 6.1 | Meat | 149 | Stew meat and split bean recipe Amhara |
| 6 | Meat and eggs | 6.1 | Meat | 158 | Stew meat recipe Addis |
| 6 | Meat and eggs | 6.2 | Poultry | 32 | Chicken meat whole, raw RTboiled |
| 6 | Meat and eggs | 6.2 | Poultry | 273 | Stew chicken generic |
| 6 | Meat and eggs | 6.3 | Egg | 42 | Egg chicken, raw RTboiled/fried |
| 6 | Meat and eggs | 6.3 | Egg | 277 | Eggs scrambled recipe Addis |
| 7 | Fruits | 7.1 | Vitamin A rich fruits | 231 | Papaya, fresh |
| 7 | Fruits | 7.2 | Vitamin C rich fruits | 222 | Lemon, fresh |
| 7 | Fruits | 7.2 | Vitamin C rich fruits | 218 | Orange, fresh |
| 7 | Fruits | 7.3 | Other fruits | 174 | Avocado, raw |
| 7 | Fruits | 7.3 | Other fruits | 2 | Banana, raw |
| 7 | Fruits | 7.3 | Other fruits | 257 | Melon water, raw |
| 8 | Vegetable | 8.1 | Dark green leafy vegetables | 227 | Broccoli, raw RTfried |
| 8 | Vegetable | 8.1 | Dark green leafy vegetables | 56 | Kale Ethiopian, raw RTboiled |
| 8 | Vegetable | 8.1 | Dark green leafy vegetables | 223 | Lettuce, raw |
| 8 | Vegetable | 8.1 | Dark green leafy vegetables | 262 | Salad mix |
| 8 | Vegetable | 8.1 | Dark green leafy vegetables | 188 | Scallion, raw RTboiled |

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| **FG code** | **Food Group** | **FSG code** | **Food Sub-group** | **Food Code** | **Food Name** |
| 8 | Vegetable | 8.1 | Dark green leafy vegetables | 189 | Scallion, raw RTfried |
| 8 | Vegetable | 8.1 | Dark green leafy vegetables | 238 | Stew Ethiopian kale recipe Addis |
| 8 | Vegetable | 8.1 | Dark green leafy vegetables | 224 | Swiss chard, raw RTboiled |
| 8 | Vegetable | 8.2 | Vitamin A rich vegetables | 19 | Beetroot red, raw RTboiled |
| 8 | Vegetable | 8.2 | Vitamin A rich vegetables | 18 | Beetroot red, raw RTfried |
| 8 | Vegetable | 8.2 | Vitamin A rich vegetables | 216 | Carrot, raw |
| 8 | Vegetable | 8.2 | Vitamin A rich vegetables | 29 | Carrot, raw RTboiled |
| 8 | Vegetable | 8.2 | Vitamin A rich vegetables | 30 | Carrot, raw RTfried |
| 8 | Vegetable | 8.2 | Vitamin A rich vegetables | 104 | Pumpkin yellow, raw RTboiled |
| 8 | Vegetable | 8.2 | Vitamin A rich vegetables | 275 | Stew beef (key wat) recipe Oromia |
| 8 | Vegetable | 8.2 | Vitamin A rich vegetables | 251 | Stew pumpkin recipe generic |
| 8 | Vegetables | 8.3 | Other vegetables  | 25 | Cabbage, raw RTboiled |
| 8 | Vegetable | 8.3 | Other vegetables  | 27 | Cabbage, raw RTfried |
| 8 | Vegetable | 8.3 | Other vegetables  | 229 | Endive, raw |
| 8 | Vegetable | 8.3 | Other vegetables  | 47 | Garlic, raw |
| 8 | Vegetable | 8.3 | Other vegetables  | 46 | Garlic, raw RTboiled |
| 8 | Vegetable | 8.3 | Other vegetables  | 45 | Garlic, raw RTfried |
| 8 | Vegetable | 8.3 | Other vegetables  | 48 | Ginger root, raw RTboiled |
| 8 | Vegetable | 8.3 | Other vegetables  | 88 | Onion bulb red, raw |
| 8 | Vegetable | 8.3 | Other vegetables  | 86 | Onion bulb red, raw RTboiled |
| 8 | Vegetable | 8.3 | Other vegetables  | 87 | Onion bulb red, raw RTfried |
| **FG code** | **Food Group** | **FSG code** | **Food Sub-group** | **Food Code** | **Food Name** |
| 8 | Vegetable | 8.3 | Other vegetables  | 106 | Pumpkin white, raw RTboiled |
| 8 | Vegetable | 8.3 | Other vegetables  | 136 | Tomato green, raw |
| 8 | Vegetable | 8.3 | Other vegetables  | 135 | Tomato red, raw |
| 8 | Vegetable | 8.3 | Other vegetables  | 133 | Tomato red, raw RTboiled/fried |
| 8 | Vegetable | 8.3 | Other vegetables  | 255 | Tomato sauce |
| 9 | Sugar, sweetened beverage and juice | 9.1 | Baked | 265 | Cake white cream recipe Addis |
| 9 | Sugar, sweetened beverage and juice | 9.2 | Sugar sweetened beverage | 152 | Coffee with sugar |
| 9 | Sugar, sweetened beverage and juice | 9.2 | Sugar sweetened beverage | 260 | Mango juice packed |
| 9 | Sugar, sweetened beverage and juice | 9.2 | sugar sweetened beverage | 163 | Soft drink, fanta, mirinda etc |
| 9 | Sugar, sweetened beverage and juice | 9.3 | Other sweet | 259 | Candy, hard and soft |
| 9 | Sugar, sweetened beverage and juice | 9.3 | other sweet | 54 | Honey |
| 9 | Sugar, sweetened beverage and juice | 9.3 | other sweet | 125 | Sugar refined |
| 10 | Fats and oils | 10.1 | Fats and oils | 24 | Butter unspiced, raw |
| 10 | Fats and oils | 10.1 | Fats and oils | 173 | Oil niger seed |
| 10 | Fats and oils | 10.1 | Fats and oils | 76 | Oil palm, refined |
| 10 | Fats and oils | 10.1 | Fats and oils | 81 | Oil sesame |
| 10 | Fats and oils | 10.1 | Fats and oils | 171 | Oil soybean manufactured |
| 10 | Fats and oils | 10.1 | Fats and oils | 75 | Oil sunflower |
| 10 | Fats and oils | 10.1 | Fats and oils | 84 | Oil vegetable |
| 11 | Pepper | 11.1 | Pepper | 234 | Pepper paste recipe Tigray |
| 11 | Pepper | 11.1 | Pepper | 184 | Pepper red powder mix recipe Tigray |
| 11 | Pepper | 11.1 | Pepper | 235 | Pepper red powder, dried |
| 12 | Other | 12.1 | Other | 276 | Assorted, bayayinte |
| 12 | Other | 12.1 | Other | 197 | Baking powder |
| 12 | Other | 12.1 | Other | 225 | Baking soda |
| 12 | Other | 12.1 | Other | 14 | Basil holy, raw |
| 12 | Other | 12.1 | Other | 200 | Bouillon cube |
| 12 | Other | 12.1 | Other | 28 | Cardamom, fresh and dried |
| 12 | Other | 12.1 | Other | 38 | Coffee without sugar |
| 12 | Other | 12.1 | Other | 186 | Fenugreek seeds flour |
| 12 | Other | 12.1 | Other | 268 | Leaves moringa, raw RTboiled |
| 12 | Other | 12.1 | Other | 267 | Leaves thymes, raw RTboiled |
| **FG code** | **Food Group** | **FSG code** | **Food Sub-group** | **Food Code** | **Food Name** |
| 12 | Other | 12.1 | Other | 35 | Pepper chili green, raw |
| 12 | Other | 12.1 | Other | 34 | Pepper chili green, raw RTboiled |
| 12 | Other | 12.1 | Other | 181 | Pepper chili green, raw RTfried |
| 12 | Other | 12.1 | Other | 204 | Rue, dried |
| 12 | Other | 12.1 | Other | 113 | Salt, iodized |
| 12 | Other | 12.1 | Other | 111 | Salt, plain |
| 12 | Other | 12.1 | Other | 167 | Tea with sugar recipe Amhara |
| 12 | Other | 12.1 | Other | 221 | Turmeric dried |
| 12 | Other | 12.1 | Other | 187 | Yeast fresh |
| 12 | Other | 12.2 | Alcohol | 150 | Beer bottled commercial local |
| 12 | Other | 12.2 | Alcohol | 55 | Katikala local alcoholic beverage |
| 12 | Other | 12.2 | Alcohol | 220 | Tej, honey wine |
| 12 | Other | 12.2 | Alcohol | 39 | Tella local alcoholic beverage |