Supporting Table 1. Anatomic groups, therapeutic groups and number of detected drugs defined as PIM

| Anatomic group                              | Therapeutic group (drug class)                                      | Drugs defined as PIM by PRISCUS N=84 | Drugs defined as PIM by EU(7)-PIM N=402 |
|---------------------------------------------|---------------------------------------------------------------------|--------------------------------------|-----------------------------------------|
| Alimentary tract and metabolism, N=47      | Drugs for acid-related disorders, N=6                              | -                                   | Ranitidine, N=6                          |
|                                             | Drugs for functional gastrointestinal disorders, N=8                | -                                   | Mebeverine, N=2, Metoclopramide, N=5, Alizapride, N=1 |
|                                             | Laxatives, N=3                                                     | -                                   | Sodium picosulfate, N=2, Aloe, N=1      |
|                                             | Drugs used in diabetes, N=30                                       | -                                   | Dipyridamole, N=1, Dabigatran, N=3, Rivaroxaban, N=2 |
| Blood and blood forming organs, N=6         | Antithrombotic agents, N=6                                        | -                                   |                                        |
| Cardiovascular system, N=64                 | Cardiac therapy, N=13                                              | Digoxin, N=1, Flecainide, N=2        |                                        |
|                                             | -                                                                  | Amiodarone, N=2, Dronedarone, N=1, Digitoxin, N=7 |
|                                             | Antihypertensives, N=10                                            | Doxazosin, N=4                       |                                        |
|                                             | -                                                                  | Moxonidine, N=6                      |                                        |
|                                             | Diuretics, N=8                                                     | -                                   | Spironolactone >25 mg/d, N=8            |
|                                             | -                                                                  | Aescin, N=1                          |                                        |
|                                             | Vasoprotectives, N=1                                               | -                                   |                                        |
|                                             | Beta-blocking agents, N=5                                          | Sotalol, N=1                         |                                        |
|                                             | Calcium channel blockers, N=24                                     | -                                   | Propranolol, N=4                        |
|                                             | -                                                                  | Nifedipine (non-sustained-release), N=1 |
|                                             | Lipid modifying agents, N=3                                        | -                                   | Niacin, N=3                             |
| Genito-urinary system and sex hormones, N=56| Sex hormones and modulator of the genital system, N=37             | -                                   | Estrogens (oral), N=37                 |
|                                             | Urologicals, N=19                                                  | Oxybutynine, N=3, Solifenacin, N=5   |                                        |
|                                             | -                                                                  | Tropium, N=4, Darifenacin, N=4, Fesoterodin, N=1, Tolterodine, N=2 |
| Muscular-skeletal system, N=99              | Anti-inflammatory and anti-rheumatic products, N=96                | Indometacin, N=3, Meloxicam, N=3, Ketoprofen, N=1, Etoricoxib, N=10 |
|                                             | -                                                                  | Diclofenac, N=59, Celecoxib, N=4,    |
| Anatomic Group                                      | Therapeutic Group | Number of Detected Drugs |
|-----------------------------------------------------|-------------------|--------------------------|
| Nervous system, N=117                               |                   |                          |
| Muscle relaxants, N=3                               | -                 | Tetrazepam, N=3          |
| Analgesics, N=29                                    | -                 | Acetylsalicylic acid >325mg/d, N=18, Triptanes, N=6, Tramadol, N=5 |
| Antiepileptics, N=3                                 | -                 | Clonazepam, N=3          |
| Antiparkinson drugs, N=8                            | -                 | Ropinirole, N=1, Pramipexole, N=3, Cabergoline, N=3, Piribedil, N=1, Rotigotine, N=2 |
| Psycholeptics, N=19                                 | Olanzapine (>10 mg/d), N=1, Zolpidem (>5 mg/d), N=6, Zopiclone (>3.75 mg/d), N=3, Lorazepam (>0.5 mg/d), N=1, Diazepam, N=4, Bromazepam, N=1 |
| Psycoanaleptics, N=58                               | Clomipramine, N=1, Trimipramine, N=3, Amitriptyline, N=6, Doxepin, N=5, Fluoxetine, N=6, Piracetam, N=1 |
| Drugs for obstructive airway diseases, N=3          | -                 | Theophylline, N=3        |
| Antihistamines for systemic use, N=10               | Diphenhydramine, N=4, Doxylamine, N=4, Dimetindene, N=1 |
| Supporting Table 1 shows anatomic groups, therapeutic groups and the number of detected drugs defined as PIM |                   |                          |