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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Overview of Results

Table A Olympic and Non-Olympic: Adverse Analytical Findings Rate

Differentiation between Olympic and Non-Olympic Sports	A Samples Analyzed	A Samples Adverse Analytical Findings*	% Adverse
Olympic Sports	139,836	2,958	2.12%
Non-Olympic Sports	43,501	951	2.19%
TOTAL	183,337	3,909	2.13%

* "Adverse Analytical Finding" is defined in the World Anti-Doping Code as "a report from a laboratory or approved Testing entity that identifies in a Specimen the presence of a Prohibited Substance or its Metabolites or Markers (including elevated quantities of endogenous substances) or evidence of the Use of a Prohibited Method". These figures may not be identical to sanctioned cases, as the figures given in this report may contain findings that underwent the Therapeutic Use Exemption (TUE) approval process. In addition, some Adverse Analytical Findings may correspond to multiple measurements performed on the same athlete, such as in cases of longitudinal studies on testosterone.

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Adverse Analytical Findings

Comparison of 2003, 2004 and 2005

Table A1 Olympic and Non-Olympic: Adverse Analytical Findings

Differentiation between Olympic and Non-Olympic Sports	2003 A Samples Analyzed	2004 A Samples Analyzed	2005 A Samples Analyzed	% increase 2004 vs 2005
Olympic Sports	113,559	128,591	139,836	8.7%
Non-Olympic Sports	37,651	40,596	43,501	7.2%
TOTAL	151,210	169,187	183,337	8.4%

Differentiation between Olympic and Non-Olympic Sports	2003 A Samples Adverse Analytical Findings	2004 A Samples Adverse Analytical Findings	2005 A Samples Adverse Analytical Findings	% increase 2004 vs 2005
Olympic Sports	1,707	2,145	2,958	37.9%
Non-Olympic Sports	740	764	951	24.5%
TOTAL	2,447	2,909	3,909	34.4%

Differentiation between Olympic and Non-Olympic Sports	2003 % Adverse	2004 % Adverse	2005 % Adverse	% increase 2004 vs 2005
Olympic Sports	1.50	1.67	2.12	26.9%
Non-Olympic Sports	1.97	1.88	2.19	16.5%
Overall	1.62	1.72	2.13	23.8%

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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Table B

Olympic and Non-Olympic Sport Adverse Analytical Findings per Laboratory

Laboratory		N Total	N Adverse Analytical Findings*	% Adverse
1	**Sydney**, Australia	8,743	149	1.70
2	**Seibersdorf**, Austria	3,765	75	1.99
3	**Ghent**, Belgium	5,378	223	4.15
4	**Rio de Janeiro**, Brazil	3,288	18	0.55
5	**Montreal**, Canada	7,000	140	2.00
6	**Beijing**, China	8,347	33	0.40
7	**Bogota**, Colombia	2,628	40	1.52
8	**Havana**, Cuba	1,808	29	1.60
9	**Prague**, Czech Republic	1,513	56	3.70
10	**Helsinki**, Finland	2,830	27	0.95
11	**Paris**, France	9,257	491	5.30
12	**Cologne**, Germany	11,578	237	2.05
13	**Kreischa**, Germany	5,437	172	3.16
14	**Cambridge**, UK	2,630	26	0.99
15	**London**, UK	5,948	65	1.09
16	**Athens**, Greece	4,664	92	1.97
17	**Rome**, Italy	8,543	302	3.54
18	**Tokyo**, Japan	2,959	10	0.34
19	**Seoul**, Korea	2,527	46	1.82
20	**Penang**, Malaysia	1,807	36	1.99
21	**Oslo**, Norway	4,857	112	2.31
22	**Warsaw**, Poland	1,698	112	6.60
23	**Lisbon**, Portugal	3,302	162	4.91
24	**Bloemfontein**, South Africa	2,709	45	1.66
25	**Moscow**, Russia	4,884	56	1.15
26	**Barcelona**, Spain	3,365	72	2.14
27	**Madrid**, Spain	6,959	163	2.34
28	**Stockholm**, Sweden	4,716	187	3.97
29	**Lausanne**, Switzerland	3,607	103	2.86
30	**Bangkok**, Thailand	2,416	24	0.99
31	**Tunis**, Tunisia	1,983	28	1.41
32	**Ankara**, Turkey	2,416	40	1.66
33	**Los Angeles**, USA	39,775	538	1.35
TOTAL		**183,337**	**3,909**	**2.13%**

* These figures may not be identical to sanctioned cases, as the figures given in this report may contain findings that underwent the Therapeutic Use Exemption (TUE) approval process. In addition, some adverse analytical findings may also correspond to multiple measurements performed on the same athlete, such as in cases of longitudinal studies on testosterone.

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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Table B1

Olympic Sport Adverse Analytical Findings per Laboratory

Laboratory		N Total	N Adverse Analytical Findings*	% Adverse
1	**Sydney**, Australia	5,249	66	1.26
2	**Seibersdorf**, Austria	3,308	53	1.60
3	**Ghent**, Belgium	4,447	169	3.80
4	**Rio de Janeiro**, Brazil	3,237	5	0.15
5	**Montreal**, Canada	6,494	124	1.91
6	**Beijing**, China	7,717	25	0.32
7	**Bogota**, Colombia	2,369	31	1.31
8	**Havana**, Cuba	1,745	27	1.55
9	**Prague**, Czech Republic	1,226	29	2.37
10	**Helsinki**, Finland	2,385	20	0.84
11	**Paris**, France	7,446	383	5.14
12	**Cologne**, Germany	10,337	169	1.63
13	**Kreischa**, Germany	5,004	152	3.04
14	**Cambridge**, UK	1,647	11	0.67
15	**London**, UK	4,571	48	1.05
16	**Athens**, Greece	4,141	82	1.98
17	**Rome**, Italy	7,821	272	3.48
18	**Tokyo**, Japan	2,499	5	0.20
19	**Seoul**, Korea	1,800	9	0.50
20	**Penang**, Malaysia	1,113	12	1.08
21	**Oslo**, Norway	3,923	85	2.17
22	**Warsaw**, Poland	1,561	100	6.41
23	**Lisbon**, Portugal	2,672	106	3.97
24	**Bloemfontein**, South Africa	1,662	32	1.93
25	**Moscow**, Russia	4,435	51	1.15
26	**Barcelona**, Spain	2,895	65	2.25
27	**Madrid**, Spain	5,892	132	2.24
28	**Stockholm**, Sweden	3,595	132	3.67
29	**Lausanne**, Switzerland	3,265	92	2.82
30	**Bangkok**, Thailand	388	13	3.35
31	**Tunis**, Tunisia	1,755	21	1.20
32	**Ankara**, Turkey	1,716	23	1.34
33	**Los Angeles**, USA	21,521	414	1.92
TOTAL		**139,836**	**2,958**	**2.12%**

* These figures may not be identical to sanctioned cases, as the figures given in this report may contain findings that underwent the Therapeutic Use Exemption (TUE) approval process. In addition, some adverse analytical findings may also correspond to multiple measurements performed on the same athlete, such as in cases of longitudinal studies on testosterone.

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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Table B2

Non-Olympic Sport Adverse Analytical Findings per Laboratory

Laboratory		N Total	N Adverse Analytical Findings*	% Adverse
1	**Sydney**, Australia	3,494	83	2.38
2	**Seibersdorf**, Austria	457	22	4.81
3	**Ghent**, Belgium	931	54	5.80
4	**Rio de Janeiro**, Brazil	51	13	25.49
5	**Montreal**, Canada	506	16	3.16
6	**Beijing**, China	630	8	1.27
7	**Bogota**, Colombia	259	9	3.47
8	**Havana**, Cuba	63	2	3.17
9	**Prague**, Czech Republic	287	27	9.41
10	**Helsinki**, Finland	445	7	1.57
11	**Paris**, France	1,811	108	5.96
12	**Cologne**, Germany	1,241	68	5.48
13	**Kreischa**, Germany	433	20	4.62
14	**Cambridge**, UK	983	15	1.53
15	**London**, UK	1,377	17	1.23
16	**Athens**, Greece	523	10	1.91
17	**Rome**, Italy	722	30	4.16
18	**Tokyo**, Japan	460	5	1.09
19	**Seoul**, Korea	727	37	5.09
20	**Penang**, Malaysia	694	24	3.46
21	**Oslo**, Norway	934	27	2.89
22	**Warsaw**, Poland	137	12	8.76
23	**Lisbon**, Portugal	630	56	8.89
24	**Bloemfontein**, South Africa	1,047	13	1.24
25	**Moscow**, Russia	449	5	1.11
26	**Barcelona**, Spain	470	7	1.49
27	**Madrid**, Spain	1,067	31	2.91
28	**Stockholm**, Sweden	1,121	55	4.91
29	**Lausanne**, Switzerland	342	11	3.22
30	**Bangkok**, Thailand	2,028	11	0.54
31	**Tunis**, Tunisia	228	7	3.07
32	**Ankara**, Turkey	700	17	2.43
33	**Los Angeles**, USA	18,254	124	0.68
TOTAL		**43,501**	**951**	**2.19%**

* These figures may not be identical to sanctioned cases, as the figures given in this report may contain findings that underwent the Therapeutic Use Exemption (TUE) approval process. In addition, some adverse analytical findings may also correspond to multiple measurements performed on the same athlete, such as in cases of longitudinal studies on testosterone.

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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Table C Olympic Sport Sample Analysis

Sport	Discipline	Total per Discipline	Total per Sport	A Sample Adverse Analytical Findings*	% Adverse
Aquatics	Aquatics	1,581	**10,352**	130	1.26%
	Diving	412			
	Swimming	7,294			
	Synchronised Swimming	127			
	Water Polo	938			
Archery	Archery	-	**850**	25	2.94%
Athletics	Athletics	-	**20,464**	342	1.67%
Badminton	Badminton	-	**890**	13	1.46%
Baseball	Baseball	-	**10,580**	390	3.69%
Basketball	Basketball	-	**4,785**	103	2.15%
Biathlon	Biathlon	-	**998**	16	1.60%
Bobsleigh	Bobsleigh	939	**1,101**	21	1.91%
	Tobogganing	20			
	Skeleton	142			
Boxing	Boxing	-	**2,433**	83	3.41%
Canoe / Kayak	Canoe / Kayak	-	**2,921**	57	1.95%
Curling	Curling	-	**349**	9	2.58%
Cycling	Cycling	12,597	**12,751**	482	3.78%
	Mountain Bike	154			
Equestrian	Equestrian	-	**620**	9	1.45%
Fencing	Fencing	-	**1,781**	31	1.74%
Football	Football	-	**23,478**	343	1.46%
Gymnastics	Gymnastics	1,764	**1,918**	20	1.04%
	Artistic Gymnastics	50			
	Rhythmic Gymnastics	26			
	Trampoline	78			
Handball	Handball	-	**2,395**	53	2.21%
Hockey	Hockey	-	**1,339**	19	1.42%
Ice Hockey	Ice Hockey	-	**2,751**	79	2.87%
Judo	Judo	-	**3,043**	38	1.25%
Luge	Luge	-	**178**	0	0.00%
Modern Pentathlon	Modern Pentathlon	-	**468**	9	1.92%
Rowing	Rowing	-	**3,096**	45	1.45%
Sailing	Sailing	-	**1,082**	23	2.13%
Shooting	Shooting	-	**1,939**	23	1.19%
Skating	Skating	1,439	**3,085**	57	1.85%
	Speed Skating	1,237			
	Figure Skating	409			
Skiing	Skiing	3,065	**4,467**	83	1.86%
	Alpine Skiing	295			
	Cross Country Ski	268			
	Ski Jumping	414			
	Snowboard	58			
	Combined Skiing	91			
	Freestyle Skiing	276			
Softball	Softball	-	**542**	2	0.37%
Table Tennis	Table Tennis	-	**787**	11	1.40%
Taekwondo	Taekwondo	-	**1,318**	26	1.97%
Tennis	Tennis	-	**2,558**	64	2.50%
Triathlon	Triathlon	-	**2,170**	74	3.41%
Volleyball	Volleyball	2,516	**2,621**	54	2.06%
	Beach Volleyball	105			
Weightlifting	Weightlifting	-	**5,842**	146	2.50%
Wrestling	Wrestling	-	**3,218**	53	1.65%
Baseball / Softball[1]		-	**170**	11	6.47%
Hockey / Skating[2]		-	**101**	3	2.97%
Ice Sport[3]		-	**395**	11	2.78%
Total			**139,836**	**2,958**	**2.12%**

* This figure may not to be identical to sanctioned cases, as the figures given in this report may contain findings that underwent the Therapeutic Use Exemption (TUE) approval process. In addition, some adverse analytical findings correspond to multiple measurements performed on the same athlete, such as in the case of longitudinal studies on testosterone.

[1] "Baseball/Softball" was designated on Doping Control Forms therefore unable to assign by single sport or single federation.

[2] "Hockey/Skating" was designated on Doping Control Forms therefore unable to assign by single sport or single federation.

[3] "Ice Sport" was designated on Doping Control Forms therefore unable to assign by single sport/discipline or single federation.

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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Table D Sample Analysis in Selected** IOC Recognized Sports

Sport	Discipline	Total per Discipline	Total per Sport	Adverse Analytical Findings*	% adverse (discipline)	% adverse (Sport)
Rollersports	Roller Hockey	63	662	18	-	2.72%
	Roller Skating	367				
	Roller Sports	232				
Golf	Golf	-	384	20	-	5.21%
Karate	Karate	-	668	8	-	1.20%
Rugby	Rugby	2,476	4,601	82	3.31%	2.46%
	Rugby League	548		9	1.64%	
	Rugby Union	1,577		22	1.40%	
Squash	Squash	-	388	8	-	2.06%
TOTAL			**6,703**	**167**	-	**2.49%**

Table E Sample Analysis in Other IOC Recognized Sports

Sport	Total per Sport	Adverse Analytical Findings*	%
Air Sports	155	1	0.65%
Bandy	203	8	3.94%
Billiards Sports	281	28	9.96%
Boules	105	4	3.81%
Bowling	328	6	1.83%
Bridge	25	1	4.00%
Chess	51	0	0.00%
Dance Sport	247	5	2.02%
Korfball	69	2	2.90%
Life Saving	305	4	1.31%
Motorcycle Racing	372	12	3.23%
Mountaineering and Climbing	320	4	1.25%
Netball	421	5	1.19%
Orienteering	479	10	2.09%
Pelote Basque	137	2	1.46%
Polo	5	0	0.00%
Powerboating	348	3	0.86%
Racquetball	53	0	0.00%
Sumo	51	3	5.88%
Surfing	79	2	2.53%
Tug of War	79	0	0.00%
Underwater Sports	373	12	3.22%
Water Skiing	199	1	0.50%
Wushu	190	2	1.05%
TOTAL	**4,875**	**115**	**2.36%**

* These figures may not be identical to sanctioned cases, as the figures given in this report may contain findings that underwent the Therapeutic Use Exemption (TUE) approval process. In addition, some adverse analytical findings correspond to multiple measurements performed on the same athlete, in the case of longitudinal studies on testosterone.

** as requested by the IOC.

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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Table F Number of Substances Identified in Each Drug Class

	Substance Group	Number*	% of all adverse analytical findings
S1.	Anabolic Agents	1,864	43.4%
S3.	Beta-2 Agonists	609	14.2%
S6.	Stimulants	509	11.8%
S8.	Cannabinoids	503	11.7%
S9.	Glucocorticosteroids	325	7.6%
S5.	Diuretics and other masking agents	246	5.7%
S2.	Hormones and related substances	162	3.8%
P2.	Beta-blockers	42	1.0%
S7.	Narcotics	17	0.4%
S4.	Agents with Anti-estrogenic Activity	21	0.5%
	TOTAL	**4,298**	

* Some adverse analytical findings may correspond to multiple measurements on the same athlete, including cases of longitudinal studies on testosterone.

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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Table G Substances Identified in Each Drug Class

S1.1.a. Anabolic Agents - Exogenous AAS	Occurences	% within drug class
Nandrolone	298	16.0%
Stanozolol	233	12.5%
Methandienone	56	3.0%
Methenolone	28	1.5%
Boldenone	28	1.5%
Mesterolone	11	0.6%
1-testosterone	7	0.4%
Methyltestosterone	7	0.4%
1-androstendione	7	0.4%
Drostanolone	6	0.3%
Oxandrolone	6	0.3%
Oxymetholone	5	0.3%
Trenbolone	5	0.3%
Mestanolone	4	0.2%
Dehydrochlormethyltestosterone	4	0.2%
Clostebol	2	0.1%
Danazol	2	0.1%
Methandriol	2	0.1%
delta-1-DHT	1	0.1%
subtotal*	**712**	

S1.1.b. Anabolic Agents - Endogenous AAS[1]	Occurences	% within drug class
Testosterone	1,132	60.7%
Prasterone (DHEA)	6	0.3%
Androsterone	5	0.3%
Androstenedione	4	0.2%
Etiocholanolone	4	0.2%
5ß-androstanediol	1	0.1%
subtotal*	**1,152**	

S.1. All Anabolic Agents	Occurences
TOTAL*	**1,864**

[1] Reporting of an Endogenous AAS may be due to detection of a concentration outside normal reference ranges and/or establishment of an exogenous source by GC/C/IRMS.

S2. Hormones and Related Substances	Occurences	% within drug class
hCG	143	88.3%
Erythropoetin	15	9.3%
LH	3	1.9%
Darbepoetin	1	0.6%
TOTAL*	**162**	

* Some adverse analytical findings correspond to multiple findings on the same athlete, including cases of longitudinal studies on testosterone.

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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Table G Substances Identified in Each Drug Class

S3. Beta-2 Agonists	Occurences	% within drug class
Salbutamol	357	58.6%
Terbutaline	171	28.1%
Clenbuterol	52	8.5%
Formoterol	18	3.0%
Salmeterol	4	0.7%
Reproterol	4	0.7%
Fenoterol	3	0.5%
TOTAL**	**609**	

** Results for formoterol, salbutamol, salmeterol, and terbutaline may correspond to administration by aerosol which is permitted with certain restrictions as described in the Prohibited List. In addition, some adverse analytical findings may correspond to multiple measurements on the same athlete.

S4. Agents with anti-estrogenic activity	Occurences	% within drug class
Tamoxifen	11	52.4%
Clomiphene	7	33.3%
Aminoglutethimide	2	9.5%
Anastrozole	1	4.8%
TOTAL*	**21**	

S5. Diuretics and other masking agents	Occurences	% within drug class
Furosemide	91	37.0%
Hydrochlorothiazide	67	27.2%
Finasteride	28	11.4%
Canrenone	14	5.7%
Amiloride	10	4.1%
Triamterene	9	3.7%
Acetazolamide	6	2.4%
Epitestosterone	5	2.0%
Bendroflumethazide	5	2.0%
Indapamide	4	1.6%
Chlorothiazide	3	1.2%
Spironolactone	1	0.4%
Piretanide	1	0.4%
Chlortalidone	1	0.4%
Bumetanide	1	0.4%
TOTAL *	**246**	

* Some adverse analytical findings correspond to multiple findings on the same athlete, including cases of longitudinal studies on testosterone.

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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Table G Substances Identified in Each Drug Class

S6. Stimulants	Occurences[1]	% within drug class
Amphetamine	194	38.1%
Ephedrine	93	18.3%
Cocaine metabolites	85	16.7%
Methylphenidate	17	3.3%
Cathine	14	2.8%
Phentermine	14	2.8%
MDMA	13	2.6%
Methamphetamine	12	2.4%
Heptaminol	11	2.2%
MDA	8	1.6%
Nikethamide	8	1.6%
Benzylpiperazine	6	1.2%
Carphedon	6	1.2%
Etilefrine	4	0.8%
Mephentermine	4	0.8%
Norfenfluramine	3	0.6%
Pemoline	3	0.6%
Fenetylline	2	0.4%
MDEA	2	0.4%
Methylephedrine	2	0.4%
Amfepramone	1	0.2%
Clobenzorex	1	0.2%
Etamivan	1	0.2%
Methylamphetamine	1	0.2%
Mesocarb	1	0.2%
Modafinil	1	0.2%
Parahydroxyamphetamine	1	0.2%
Strychnine	1	0.2%
TOTAL*	**509**	

* Some adverse analytical findings correspond to multiple findings on the same athlete, including cases of longitudinal studies on testosterone.

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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Table G Substances Identified in Each Drug Class

S7. Narcotics	Occurences	% within drug class
Morphine	15	88.2%
Methadone	1	5.9%
Hydromorphone	1	5.9%
TOTAL*	**17**	

S8. Cannabinoids	Occurences	% within drug class
Cannabis	503	100.0%
TOTAL*	**503**	

S9. Glucocorticosteroids	Occurences	% within drug class
Budesonide	116	35.7%
Betamethasone	47	14.5%
16α-hydroxyprednisolone	42	12.9%
Prednisolone	35	10.8%
Triamcinolone Acetonide	25	7.7%
Prednisone	23	7.1%
Methylprednisolone	22	6.8%
Dexamethasone	13	4.0%
Flunisolone	1	0.3%
Fluticasone-17-propionate	1	0.3%
TOTAL*	**325**	

P2. Beta Blockers	Occurences	% within drug class
Propranolol	16	38.1%
Bisoprolol	10	23.8%
Atenolol	6	14.3%
Metoprolol	5	11.9%
Carvedilol	4	9.5%
Acebutolol	1	2.4%
TOTAL*	**42**	

* Some adverse analytical findings correspond to multiple findings on the same athlete, including cases of longitudinal studies on testosterone.

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2005 Adverse Analytical Findings Reported by Accredited Laboratories

Table H

Total Laboratory Adverse Analytical Findings* vs Drug Class

Laboratory	S1. Anabolic Agents	S2. Hormones and related substances	S3. Beta-2 Agonists	S4. Agents with Anti-estrogenic activity	S5. Diuretics and other masking agents	S6. Stimulants	S7. Narcotics	S8. Cannabinoids	S9. Glucocortico-steroids	P2. Beta-Blockers	Total per Lab	% of total adverse analytical findings
Sydney, Australia	86	10	8	0	5	51	0	27	0	0	187	4.4%
Seibersdorf, Austria	53	0	14	1	17	2	0	10	4	0	101	2.3%
Ghent, Belgium	72	10	22	0	4	37	7	51	47	3	253	5.9%
Rio de Janeiro, Brazil	2	0	1	0	8	6	0	1	0	0	18	0.4%
Montreal, Canada	28	13	56	1	11	10	0	17	15	0	151	3.5%
Beijing, China	16	12	0	0	4	3	1	1	0	0	37	0.9%
Bogota, Colombia	28	3	4	0	5	3	0	0	1	0	44	1.0%
Havana, Cuba	20	0	2	0	5	3	0	0	1	0	31	0.7%
Prague, Czech Republic	47	3	11	0	6	8	0	7	0	0	82	1.9%
Helsinki, Finland	7	5	11	1	1	1	0	3	0	0	29	0.7%
Paris, France	169	12	100	0	24	37	0	117	58	8	525	12.2%
Cologne, Germany	118	7	37	2	25	30	0	26	46	7	298	6.9%
Kreischa, Germany	78	3	64	2	11	4	1	2	16	4	185	4.3%
Cambridge, UK	12	1	4	0	1	6	0	2	0	0	26	0.6%
London, UK	22	7	0	0	4	14	2	16	0	1	66	1.5%
Athens, Greece	38	3	16	1	6	11	0	17	5	0	97	2.3%
Rome, Italy	207	6	34	0	18	12	2	29	15	3	326	7.6%
Tokyo, Japan	2	3	2	0	1	1	1	1	0	0	11	0.3%
Seoul, Korea	36	0	10	5	7	4	0	0	1	1	64	1.5%
Penang, Malaysia	16	0	6	0	2	7	0	3	5	0	39	0.9%
Oslo, Norway	31	5	44	3	12	5	0	4	22	0	126	2.9%
Warsaw, Poland	86	3	1	0	2	9	1	13	5	1	121	2.8%
Lisbon, Portugal	97	5	8	1	11	7	0	15	15	6	165	3.8%
Bloemfontein, S Africa	23	0	3	0	5	7	0	5	3	0	46	1.1%
Moscow, Russia	34	4	2	0	5	7	0	5	0	2	59	1.4%
Barcelona, Spain	29	19	14	4	2	0	0	3	2	0	73	1.7%
Madrid, Spain	37	14	52	0	10	13	0	28	10	3	167	3.9%
Stockholm, Sweden	101	8	51	0	0	3	0	2	38	0	203	4.7%
Lausanne, Switzerland	60	2	26	0	0	2	0	10	7	1	108	2.5%
Bangkok, Thailand	10	1	1	0	5	2	0	2	7	1	29	0.7%
Tunis, Tunisia	12	1	2	0	3	1	0	9	0	0	28	0.7%
Ankara, Turkey	44	0	1	0	18	4	0	5	0	0	72	1.7%
Los Angeles, USA	243	2	2	0	8	199	2	72	2	1	531	12.4%
TOTAL PER DRUG CLASS	1,864	162	609	21	246	509	17	503	325	42	**4,298**	
% of Drug Class	43.4%	3.8%	14.2%	0.5%	5.7%	11.8%	0.4%	11.7%	7.6%	1.0%		

***** Some adverse analytical findings may correspond to multiple findings from the same athlete, including cases of longitudinal studies on testosterone.