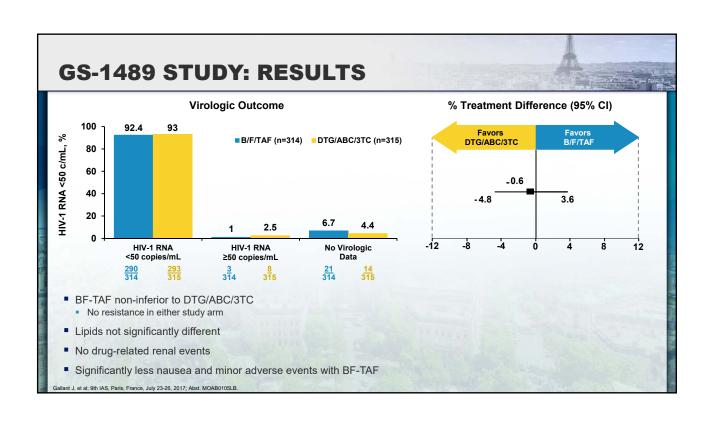


### **GS-1489: BASELINE CHARACTERISTICS**

|  | B/F/TAF<br>n=314  | DTG/ABC/3TC<br>n=315 |
|--|-------------------|----------------------|
| Age, median years (range)                      | 31 (18–71)        | 32 (18–68)           |
| Male, %  | 91                | 90                   |
| Race/ethnicity, %                              |                   |                      |
| Black or African descent                       | 36                | 36                   |
| Hispanic/Latino ethnicity                      | 23                | 21                   |
| HIV-1 RNA, median log <sub>10</sub> c/mL (IQR) | 4.42 (4.03, 4.87) | 4.51 (4.04, 4.87)    |
| HIV-1 RNA >100,000 c/mL, %                     | 17                | 16                   |
| CD4 cell count, median cells/µL (IQR)          | 443 (299, 590)    | 450 (324, 608)       |
| CD4 count <200 cells/µL, %                     | 11                | 10                   |
| Asymptomatic HIV infection, %                  | 91                | 91                   |
| eGFR <sub>CG</sub> , median mL/min (IQR)       | 126 (108, 146)    | 123 (107, 144)       |



### GS-1489 STUDY: VIROLOGIC RESISTANCE RESULTS

|                                     | B/F/TAF<br>n=314 | DTG/ABC/3TC<br>n=315 |
|-------------------------------------|------------------|----------------------|
| Met criteria for resistance testing | 1                | 4                    |
| Assay failure                       | 0                | 1                    |
| NRTI resistance detected            | 0                | 0                    |
| INSTI resistance detected           | 0                | 0                    |

### No resistance to any components of the treatment regimens occurred in either treatment group

- Resistance testing performed for patients with a confirmed HIV-1 RNA ≥ 200 copies/mL or ≥ 200 copies/mL at last visit
- NRTI, nucleoside reverse-transcriptase inhibitor

Gallant J. et al: 9th IAS. Paris. France. July 23-26, 2017; Abst. MOAB0105LE

# GS-1489 STUDY: ADVERSE EVENTS LEADING TO STUDY DRUG DISCONTINUATION

| B/F/TAF<br>n=314 | DTG/ABC/3TC<br>n=315                       |
|------------------|--|
| 0                | 4 (1.3%)                                   |
|                  | Nausea, rash [Day 4]                       |
|                  | Thrombocytopenia [Day 50]                  |
|                  | Chronic pancreatitis/steatorrhea [Day 134] |
|                  | Depression [Day 248]                       |

No deaths were reported in either treatment arm

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# GS-1489 STUDY: ALL GRADE ADVERSE EVENTS (≥5%) THROUGH WEEK 48

| All Grade, %                      | B/F/TAF<br>n=314 | DTG/ABC/3TC<br>n=315 |
|-----------------------------------|------------------|----------------------|
| Diarrhea                          | 12.7             | 13.0                 |
| Headache                          | 11.5             | 13.7                 |
| Nausea*                           | 10.2             | 22.9                 |
| Nasopharyngitis                   | 7.3              | 9.2                  |
| Cough                             | 6.4              | 2.5                  |
| Upper respiratory tract infection | 6.4              | 10.8                 |
| Fatigue                           | 6.1              | 8.6                  |
| Syphilis                          | 3.8              | 7.9                  |
| Insomnia                          | 4.5              | 6.3                  |
| Arthralgia                        | 3.5              | 6.0                  |
| Vomiting                          | 3.8              | 5.4                  |
| Bronchitis                        | 3.2              | 5.1                  |
| Abdominal pain                    | 2.9              | 5.1                  |

**GS-1489 STUDY: PATIENT REPORTED OUTCOMES HIV Symptom Distress Module** Nausea/Vomiting Loss of appetite Diarrhea Bloating W48 W4 W12 W4 W12 W4 W12 W48 W4 W12 W48 Nervous/Anxious Sad/Down/Depressed Dizzy/Lightheaded Fatigue W4 W12 W4 W12 W48 W4 W12 W48 W4 W12 Fevers/Chills Headache Difficulty sleeping Trouble remembering W12 W4 W4 W12 W4 W48 W4 W12 W48 W48 W12 W48 Pain in hands/feet Skin problems Muscle aches Cough W12 W12 W4 W12 W48 W4 W12 W48 W48 Sex problems Weight gain Weight loss Hair loss W12 W12 W48 W4 W12 W48 W4 W12 W48 W4 W48

Significantly different favoring DTG/ABC/3TC (none)

No differences between arms

#### Pittsburgh Sleep Quality Index:

Significantly different favoring B/F/TAF

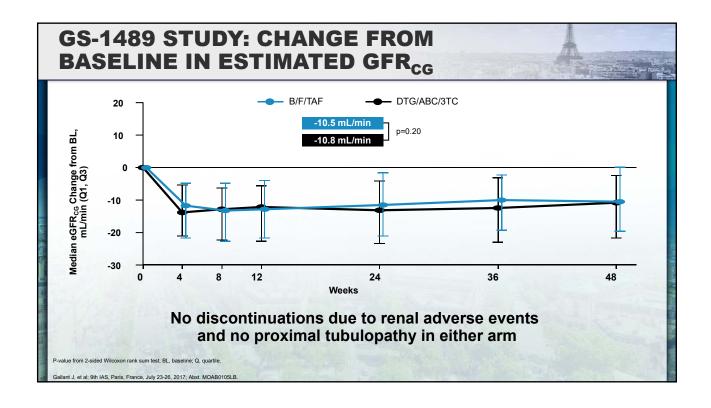
- Higher "use of sleeping medication" at Week 4 in DTG/ABC/3TC arm
- More "sleep disturbance" at Week 48 in DTG/ABC/3TC

Gallant J, et al; 9th IAS, Paris, France, July 23-26, 2017; Abst. MOAB0105LB.

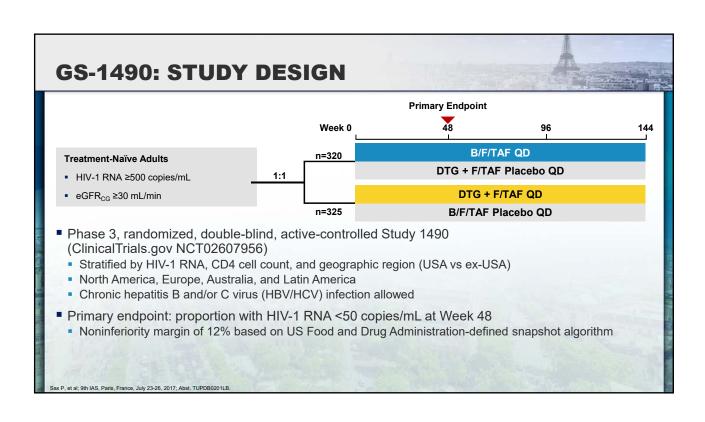
# GS-1489 STUDY: LABORATORY ABNORMALITIES (≥2%) THROUGH WEEK 48

| Grade 3 or 4, % | B/F/TAF<br>n=314 | DTG/ABC/3TC<br>n=315 |
|-----------------|------------------|----------------------|
| CK elevation    | 3.5              | 3.2                  |
| LDL elevation   | 2.3              | 2.6                  |
| Amylase         | 1.9              | 2.2                  |
| Neutropenia     | 1.6              | 3.2                  |

Gallant J, et al; 9th IAS, Paris, France, July 23-26, 2017; Abst. MOAB0105L



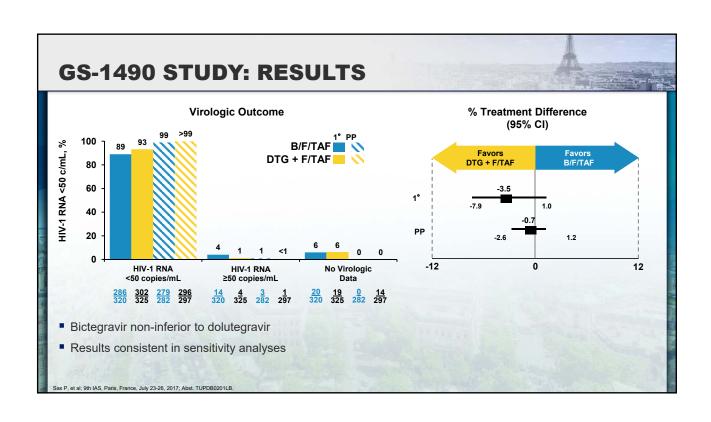




### **GS-1490: BASELINE CHARACTERISTICS**

Sax P, et al; 9th IAS, Paris, France, July 23-26, 2017; Abst. TUPDB0201LB

|  | B/F/TAF (n=320)      | DTG + F/TAF<br>(n=325) |
|--|----------------------|------------------------|
| Median age, y (range)                                  | 33 (18–71)           | 34 (18–77)             |
| Male, %  | 88                   | 89                     |
| Race/ethnicity, %                                      |                      |                        |
| Black or African descent                               | 30                   | 31                     |
| Hispanic/Latino  | 26                   | 25                     |
| Median HIV-1 RNA, log <sub>10</sub> copies/mL (Q1, Q3) | 4.43 (3.95, 4.90)    | 4.45 (4.03, 4.84)      |
| HIV-1 RNA >100,000 copies/mL, %                        | 21                   | 17                     |
| Median CD4 cell count, cells/μL (Q1, Q3)               | 440 (289, 591)       | 441 (297, 597)         |
| CD4 count <200 cells/µL, %                             | 14                   | 10                     |
| HBV*/HCV <sup>†</sup> coinfection, %                   | 3/2                  | 2/2                    |
| Median eGFR <sub>CG</sub> , mL/min (Q1, Q3)            | 120.4 (100.8, 141.8) | 120.6 (102.8, 145.1)   |



### **GS-1490 STUDY: PRIMARY ENDPOINT**

| B/F/TAF<br>n=320  | DTG + F/TAF<br>n=325   |
|---|--|
|   |  |
| 286 (89.4)  | 302 (92.9)   |
| Difference for <50 copies/mL, % (95.002% CI) -3.5 (-7.9, 1.0; p=0.12) |  |
| 14 (4.4)  | 4 (1.2)  |
| 3 (0.9)   | 1 (0.3)  |
| 0   | 0  |
| 11 (3.4)  | 3 (0.9)  |
| 20 (6.3)  | 19 (5.8)   |
| 3 (0.9)   | 3 (0.9)  |
| 11 (3.4)  | 14 (4.3)   |
| 6 (1.9)   | 2 (0.6)  |
|   | n=320 286 (89.4) -3.5 (-7.9, 14 (4.4) 3 (0.9) 0 11 (3.4) 20 (6.3) 3 (0.9) 11 (3.4) |

Sax P, et al; 9th IAS, Paris, France, July 23-26, 2017; Abst. TUPDB0201LB.

Sax P, et al; 9th IAS, Paris, France, July 23-26, 2017; Abst. TUPDB0201LB.

# GS-1490 STUDY: PATIENTS DISCONTINUED FOR REASONS OTHER THAN ADVERSE EVENT/DEATH AND LAST HIV-1 RNA ≥50 COPIES/ML

| Group       | Patient | Day of Last<br>HIV-1 RNA | Last HIV-1 RNA,<br>Copies/mL | Reason for Discontinuation                                |
|-------------|---------|--------------------------|------------------------------|---|
|             | 1       | 1 (baseline)             | 438                          | Patient decision (did not want to participate in study)   |
|             | 2       | 1 (baseline)             | 185,000                      | Protocol violation (incarcerated)                         |
|             | 3       | 1 (baseline)             | 56,500                       | Lost to follow-up (moved away)                            |
|             | 4       | 1 (baseline)             | 71,900                       | Investigator discretion (inconsistent state of residency) |
|             | 5       | 1 (baseline)             | 17,300                       | Patient decision (no reason provided)                     |
| B/F/TAF     | 6       | 1 (baseline)             | 9600                         | Patient decision (moved away)                             |
|             | 7       | 58                       | 317,000                      | Investigator discretion (erratic behavior)                |
|             | 8       | 62                       | 9000                         | Lost to follow-up (unresponsive to contact attempts)      |
|             | 9       | 169                      | 23,400                       | Patient decision (wanted drug holiday)                    |
|             | 10      | 176                      | 4440                         | Investigator discretion (multiple missed appointments)    |
|             | 11      | 253                      | 8630                         | Lost to follow-up (unresponsive to contact attempts)      |
|             | 12      | 10                       | 213                          | Pregnancy   |
| DTG + F/TAF | 13      | 62                       | 22,800                       | Lost to follow-up (incarcerated)                          |
|             | 14      | 253                      | 12,000                       | Noncompliance with study drug                             |
| 1994        |         |                          |                              |   |



- A manuscript of these data has been submitted to a peer-reviewed journal
- Results from a naïve study of B/F/TAF vs. DTG + F/TAF will be presented in Poster TUPDB0201LB (Poster Discussion Tuesday 13:00)
- Two switch studies in virologically suppressed patients have reached their primary endpoints and will be presented at upcoming conferences
- A fully-enrolled study of 440 women will reach its primary endpoint in early 2018
- A study of B/F/TAF in adolescents and children is ongoing
- Regulatory filings of B/F/TAF have been submitted to the US FDA, the EMA, and other regulatory authorities

Sax P, et al; 9th IAS, Paris, France, July 23-26, 2017; Abst. TUPDB0201LE