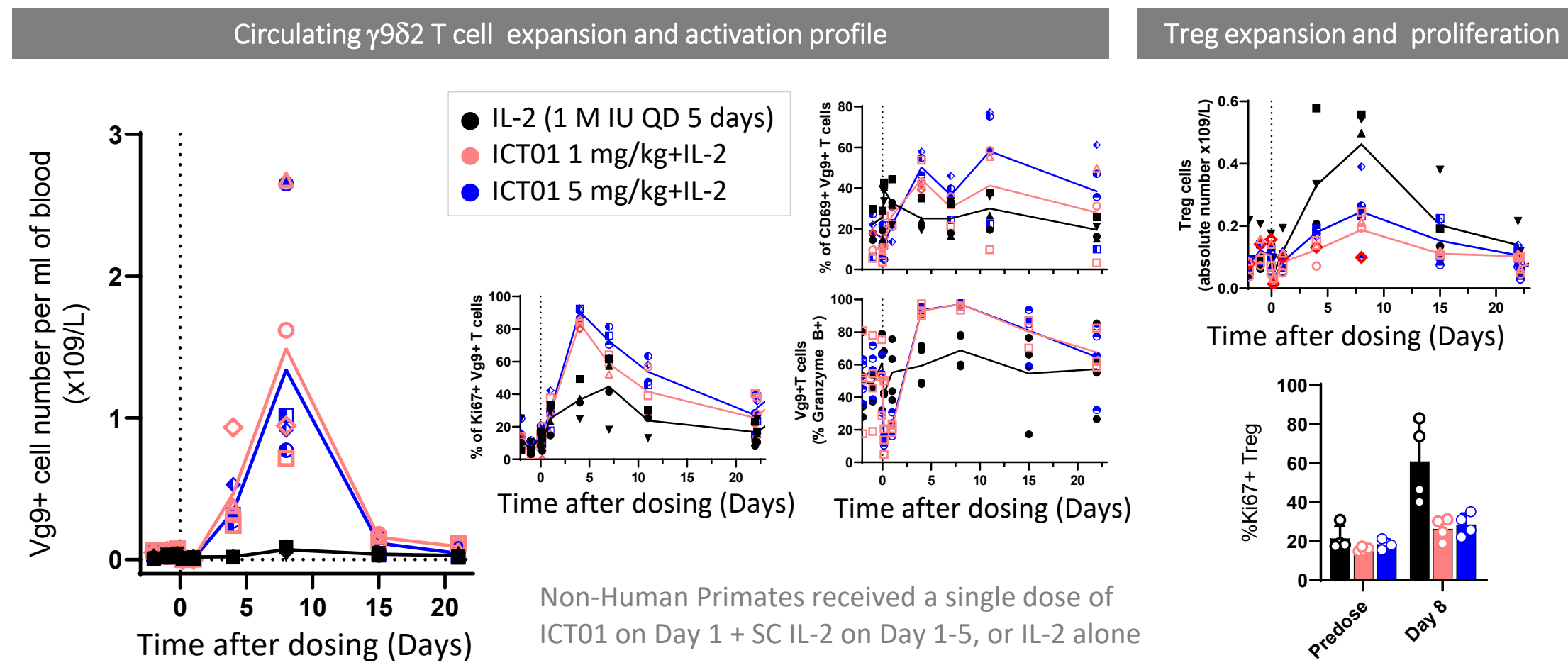


## 1. Background

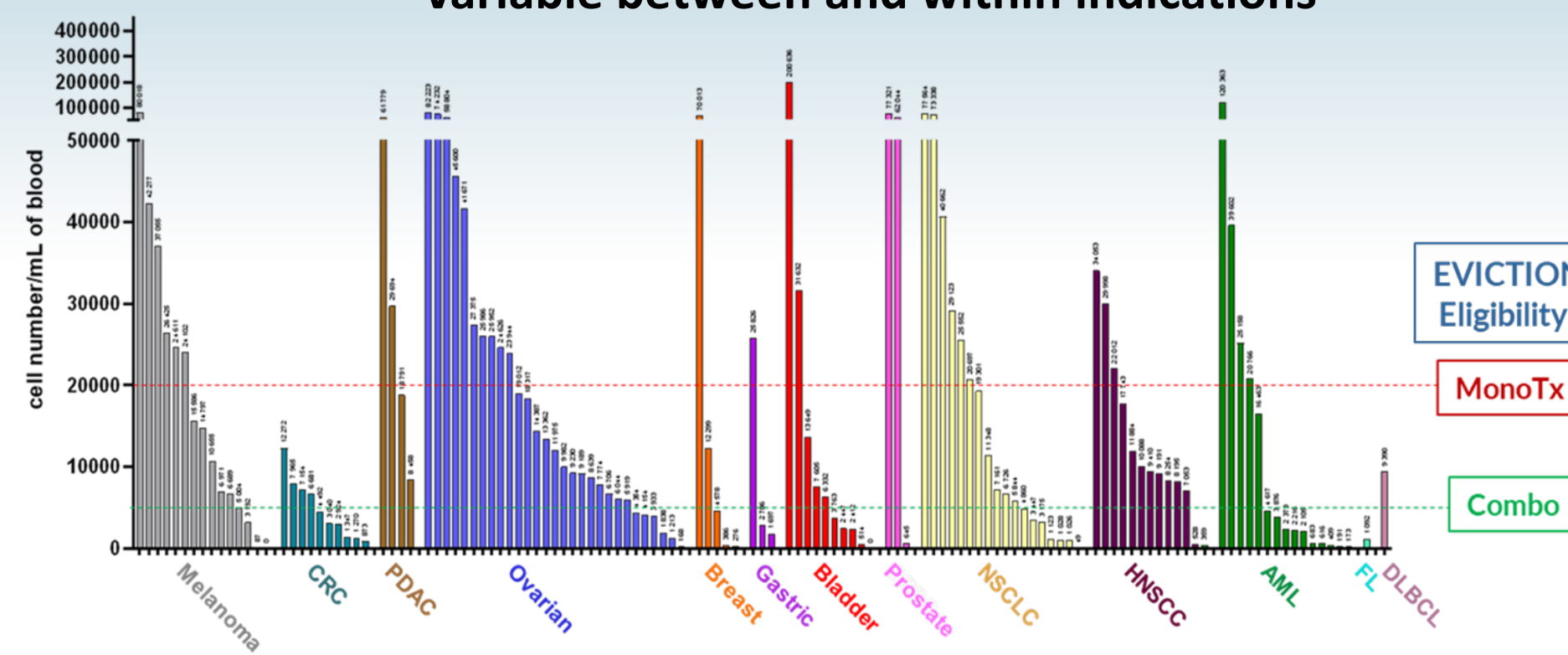
γ962 T cell tumor infiltration is associated with a positive clinical prognosis. The anti-BTN3A mAb, ICT01, selectively activates γ962 T cells resulting in remodeling of the TME by activated γ962 T, CD8 T, and NK cells (EVICTION-NCT04243499). Response to ICT01 depends on baseline γ962 T cells with many cancer patients having inadequate numbers. Eligibility criteria for the expansion cohorts in EVICTION have been instituted based on baseline γ962 T cells leading to exclusion of a significant proportion of patients.

Interleukin-2 (IL-2, Proleukin®) is an approved cancer immunotherapy shown to expand γ962 T cells in humans when combined with phosphoantigen or zoledronate that decreased over multiple cycles. Combining ICT01 with IL-2 may provide a novel BTN3A-targeted approach to increase the number of circulating and tumor-resident γ962 T cells in patients resulting in a stronger anti-tumor immune response.

### ICT01 + LDSC IL-2 selectively increase circulating γ962 T cells in Non-Human Primates while blunting IL-2-mediated expansion of Tregs



### Baseline circulating γ962 T cells in cancer patients are highly variable between and within indications



**Phase 1/2a EVICTION-2 clinical trial:** ICT01 (IV Q3W) with Proleukin® (1 or 2 MIU/m<sup>2</sup> SC Day 1-5) for the first 3 cycles, continued alone thereafter.

#### Major Inclusion Criteria

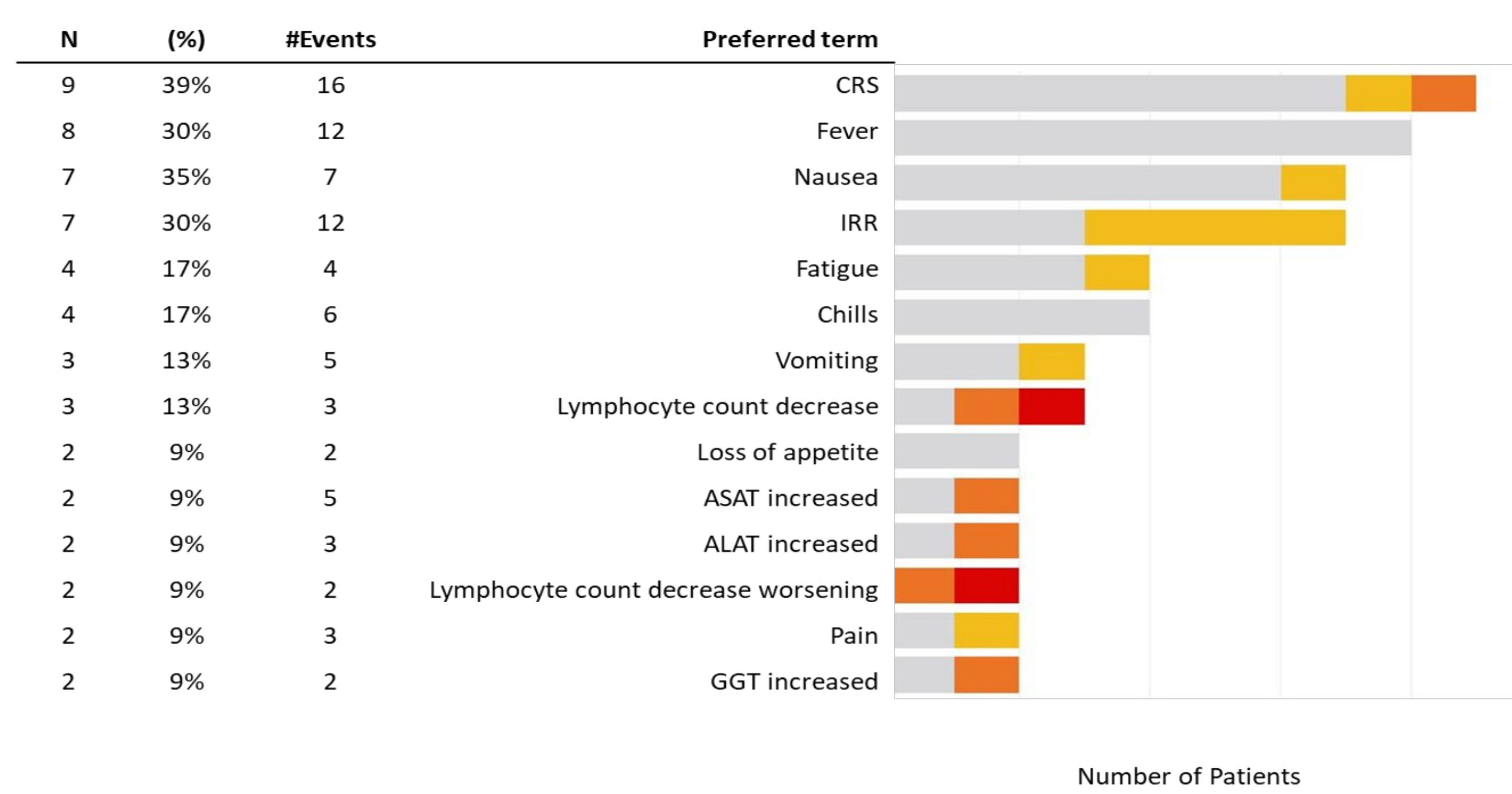
- 1) ≥18 years
- 2) Colorectal, Ovarian, Prostate Cancer and PDAC
- 3) Relapsed/refractory patients who have failed at least 2 lines of systemic therapy or who failed first line therapy and are intolerant of or have a contraindication to the standard second line of therapy
- 4) Willingness to undergo baseline and on-study tumor biopsies
- 4) ECOG performance status ≤ 1 and life expectancy > 3m
- 5) At least 1 measurable lesion per Response Evaluation Criteria in Solid Tumors (RECIST)

ICT01 IV Dose (CnD1) + Daily IL-2 SC	
Cohort 1: 1mg + 1 MIU/m <sup>2</sup> (n=2)	Cohort 2: 1mg + 2 MIU/m <sup>2</sup> (n=2)
Cohort 3: 5mg + 1 MIU/m <sup>2</sup> (n=5)	Cohort 4: 5mg + 1 MIU/m <sup>2</sup>
Cohort 5: 20mg + 1 MIU/m <sup>2</sup> (n=2)	Cohort 6: 20mg + 1 MIU/m <sup>2</sup>
Cohort 7: 75mg + 1 MIU/m <sup>2</sup> (n=2)	Cohort 8: 75mg + 1 MIU/m <sup>2</sup>

N = patients dosed with at least one dose of ICT01 with LDSC IL2 (09 oct 2023)

## 3. ICT01 + LDSC IL-2 has a Favorable Safety Profile

### ICT1-related Adverse Events (> 1 patient)



Total patients dosed (N) = 23 (Sep 2023)

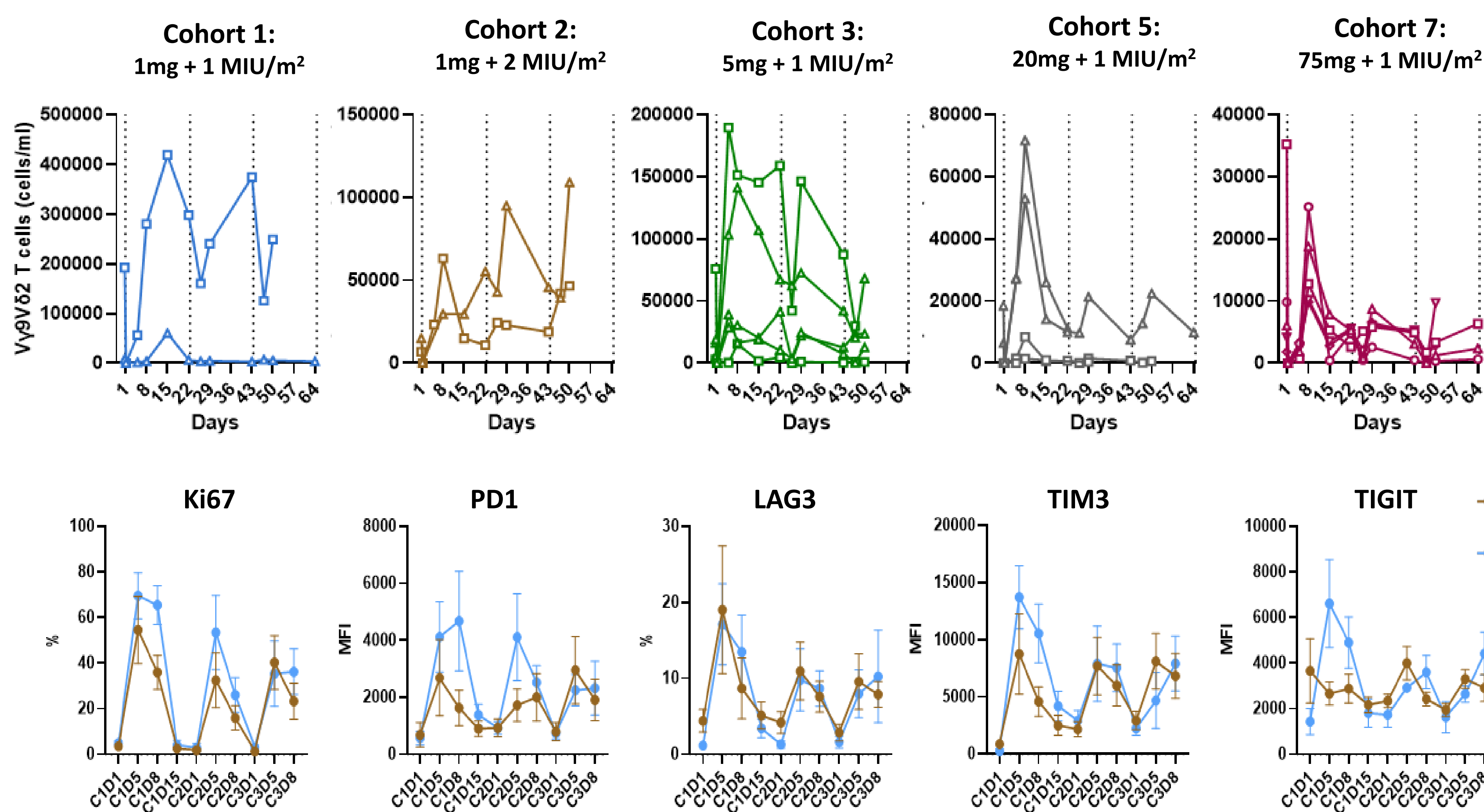


Combination of ICT01 with LDSC-IL-2 has a good safety profile, with no dose limiting toxicities. Most frequent treatment-related adverse events are cytokine release syndrome (CRS) and infusion related reaction (IRR) that are similar to those observed with ICT01 monotherapy (EVICTION-NCT04243499), mostly Grade 1 and 2, observed also at 2<sup>nd</sup> and 3<sup>rd</sup> cycle

Cohort	PatientID	Dx	Baseline γ962 T Cells	RECIST / iRECIST
1	01-01-201	CRC	8 111	PD W8
1	01-01-203	Ovarian	192 242	SD W8/PD W16
2	01-01-204	CRC	15 098	SD W8/PD W16
2	01-01-206	Ovarian	6 789	PD W16
3	01-01-205	CRC	19 136	SD W16/iuPD W24
3	04-01-202	CRC	75 861	PD W8
3	05-01-203	Pancreas	5 697	SD W8/PD W16
3	05-01-207	Prostate	3 014	iuPD W8/PD W16
3	04-01-205	Pancreas	16 377	PD W8
5	04-01-203	CRC	18 468	PD W8
5	05-01-201	PDAC	0	ND
5	05-01-202	Ovarian	6 512	ND
5	05-01-205	Prostate	0	SD W8/PD W16
7	01-01-208	CRC	6 047	PD W8
7	04-02-201	CRC	35 257	PD W8
7	05-01-204	Prostate	9 848	PD W8
7	04-01-204	Pancreas	4 165	SD W24
7	01-01-209	Ovarian	1 800	PD W8

## 4. Effect of ICT01+LDSC IL-2 on Expansion and Activation of Circulating γ962 T cells, NK, CD8 T cells and Tregs

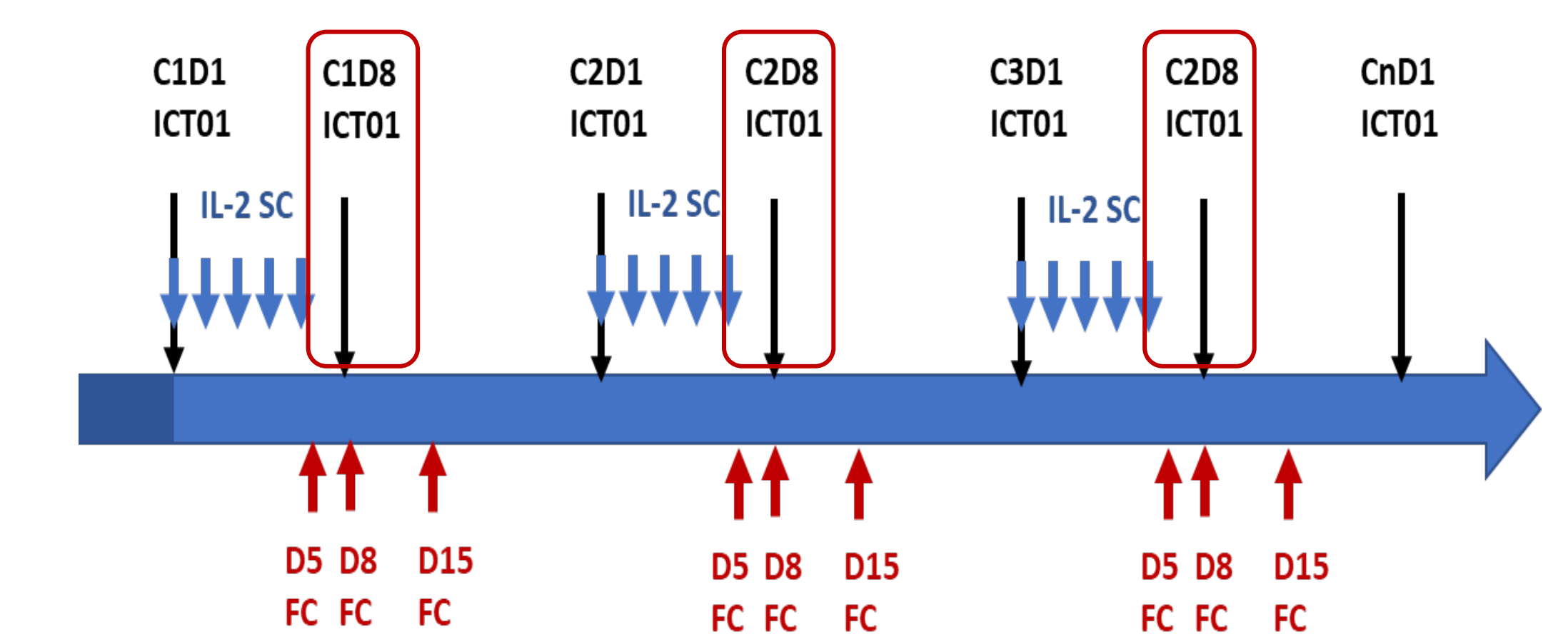
### Expansion, proliferation and activation of γ962 T Cells



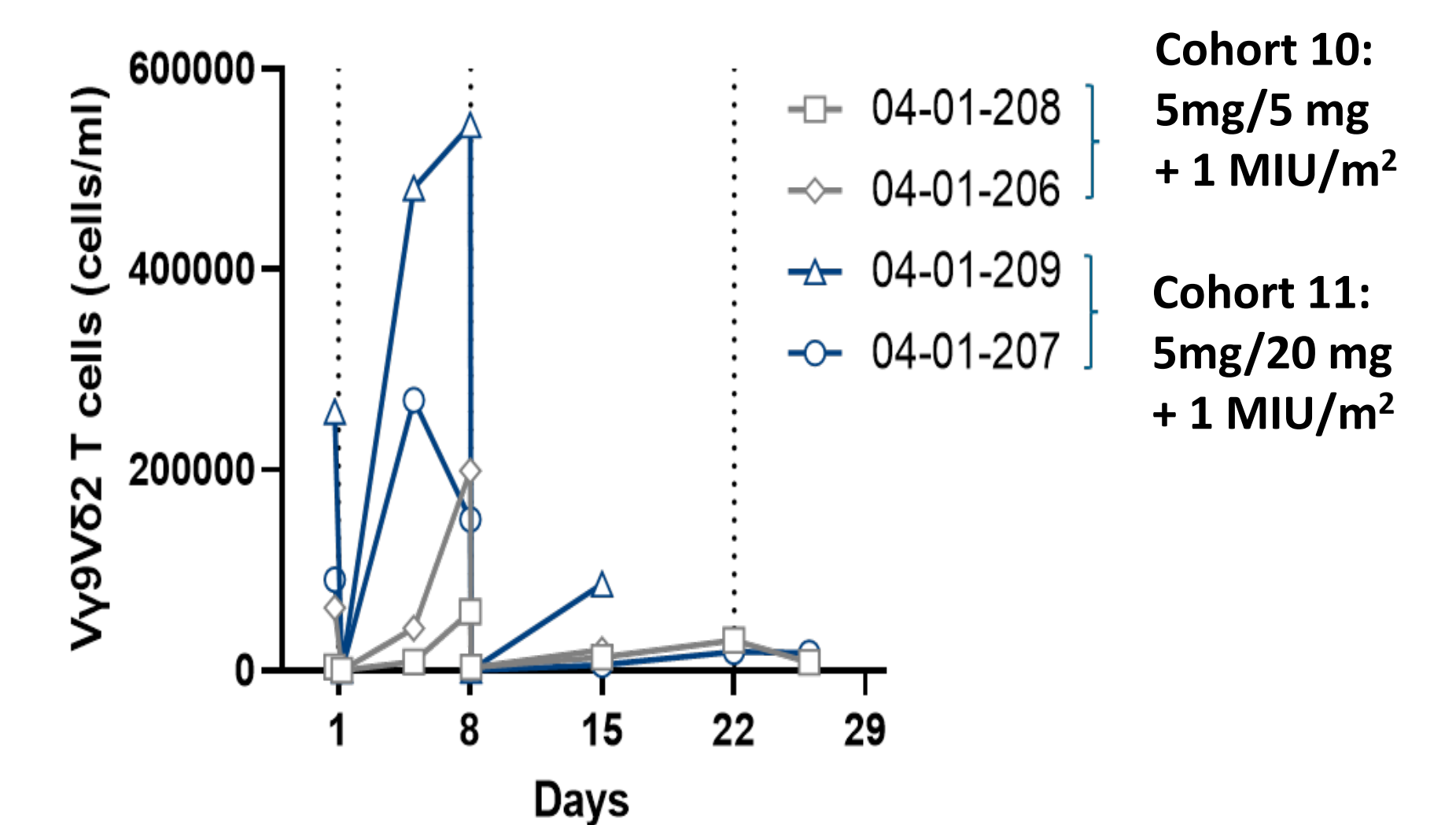
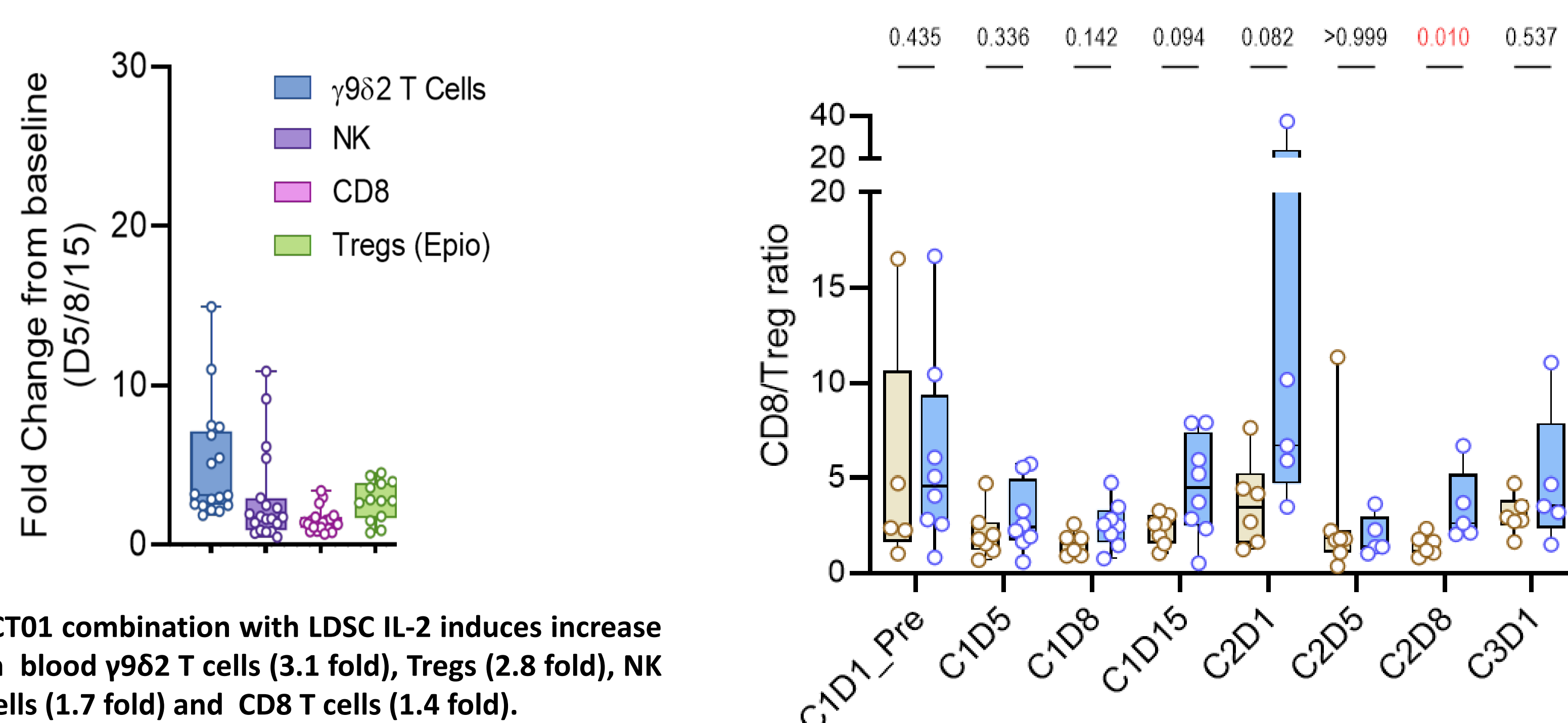
### New dosing regimen

To further activate the expanded γ962 T cells an alternative ICT01 dosing regimen ICT01 administration was introduced. Low dose ICT01+LDSC IL2 is used to trigger γ962 T cell expansion (D1). An additional ICT01 dose is added at the peak of expansion (D8) to trigger activation and migration of a large number of γ962 T cells

ICT01 IV Dose (CnD1 and C1-3D8) + Daily IL-2 SC	
Cohort 10: 5mg/5mg + 1 MIU/m <sup>2</sup> (n=2)	Cohort 11: 5mg/20mg + 2 MIU/m <sup>2</sup> (n=2)



### Expansion of γ962 T, NK, CD8 Cells and Tregs



The expansion of γ962 T cells at D8 following low dose of ICT01 on day 1 was confirmed. Adding a second dose of ICT01 at peak of expansion results in rapid migration of circulating T cells, hence confirming that these expanded cells γ962 are still ICT01-responsive

## 5. Conclusion

The selective expansion of γ962 T cells observed in preclinical studies has been confirmed in patients with advanced-stage solid tumors with a beneficial safety profile. ICT01 plus LDSC IL-2 produces a broad anti-tumor immune response that is durable across multiple treatment cycles, which appears different to prior attempts to expand γ962 T cells with bisphosphonates or phosphoantigens.